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Environmental Land Management
1602 11th Drive NE
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RE: Agronomist Review for Cargill Corn Milling – Blair IDNR #00-SDP-07-14P

The following is an agronomic review of waste products applied from the Cargill Corn Milling facility in Blair under permit IDNR #00-SDP-07-14P. Waste was applied in the 2024/2025 crop year. A brief description of the regulated waste product will be given to provide context of the review and a brief discussion of the land application sites, application rates and site characteristics will be done as well.

Product Description:

Calcium sulfate, otherwise known as gypsum, is a by-product of lactic acid production in the wet corn milling plant operated by Cargill in Blair, NE. This industrial calcium sulfate (“Calmax”) provides two essential crop nutrients, calcium and sulfur, in a form readily available to crops. One ton of Calmax will supply 298 pounds of calcium and 248 pounds of sulfur. Gypsum effectively changes the structure of heavy clay soils, especially those that are heavily weathered or subject to intensive crop production. Gypsum also improves sodic (saline) soils by removing sodium from the soil and replacing it with calcium. Therefore, one can see improvement in clay soil structure and desalinization of sodium-rich soils, by using gypsum. The gypsum was analyzed from June 1, 2009 through January 17, 2019 by Midwest Laboratories, Inc. The solid material will supply approximately 3.0 pounds of nitrogen and 0.62 pounds of P2O5 per dry ton. The typical target for application rates for gypsum is approximately 2.2 dry tons.

Industrial Sludge is a by-product of treated wastewater that is the result of corn milling. The material itself is from wastewater that has been anaerobically and aerobically digested, as well as treated with a flocculent and dewatered via a belt press. The product will be handled as a semi-solid material with approximately 86.0% moisture. Industrial Sludge is very high in Nitrogen, measuring about 150 lbs. per dry ton. The measured Phosphorus was also high, measuring 57 lbs. per dry ton. Potassium measured about 17 lbs. per dry ton. Sulfur measured at approximately 19 lbs. per dry ton. The equivalent wet analysis is 21-8-2-3 lbs. / ton. Our recommendation of this material is a maximum land application rate of 20 Wet Tons per acre (2.8 Dry Tons). As such, a first year, plant available analysis of 106-293-53-32-1.5 lbs per acre (N-P₂O₅-K₂O-SO₄-Zn).

Estimated availability of nutrients supplied from these rates can be calculated from the information supplied above. The organic nitrogen in the products will be slowly converted to plant available nitrate as soil microbes convert it – thus, its availability will depend on numerous environmental conditions including, soil temperature, moisture, drainage and pH. Application rates should not result in any negative impacts to soil sodicity, nor should it lead to excessive buildup of soil phosphorus. It should be noted that the product does not contain significant levels of arsenic, lead or mercury.

A corn crop with a yield of 200 bushels per acre will require approximately 180-190 pounds of nitrogen and will remove about 64 pounds of phosphorus and 44 pounds of potassium per acre. A soybean crop with a yield of 50 bushels per acre will require approximately 190 pounds of nitrogen (fixed on its own), 36 pounds of phosphorus and 60 pounds of potassium per acre each year. From an agronomic perspective, soil fertility in the high range is preferred. This translates to ± 21 ppm for phosphorus using the Mehlich test and ± 180 ppm for Potassium (dried). The opinion in this review will be based on characteristics and rates of the applied waste product, current soil tests and land application site conditions.

Site	Permitted Acres	Acres Applied	Rate	Dry Tons Applied	Byproduct	Application Period
630	517	264	1.9	505	Industrial Sludge	4th Quarter
760	126	107	1.9	204	Industrial Sludge	4th Quarter
765	235	215	1.7	357	Industrial Sludge	4th Quarter
766	85	79	2.1	169	Industrial Sludge	4th Quarter
767	375	81	2.2	176	Industrial Sludge	4th Quarter
770	172	116	2.1	239	Industrial Sludge	4th Quarter
771	244	239	2.2	533	Industrial Sludge	4th Quarter
1159	594	37	1.4	54	Industrial Sludge	4th Quarter
1432	213	118	2.1	244	Industrial Sludge	4th Quarter
1433	169	41	2.2	91	Industrial Sludge	4th Quarter
1434	156	77	1.5	118	Industrial Sludge	4th Quarter
630	517	182	2.2	407.4	Gypsum	4th Quarter
755	306	218	2.2	482	Gypsum	4th Quarter
756	170	159	2.2	349.5	Gypsum	4th Quarter
765	235	221	2.3	499.5	Gypsum	4th Quarter
767	375	259	2.3	597.6	Gypsum	4th Quarter
770	172	161	2.2	348.3	Gypsum	4th Quarter
771	244	234	2.2	521.2	Gypsum	4th Quarter
1003	66	61	0.9	53.9	Gypsum	4th Quarter
1008	149	141	0.8	111.5	Gypsum	4th Quarter
1010	153	145	0.8	121.3	Gypsum	4th Quarter
1011	209	202	0.9	172.1	Gypsum	4th Quarter
1012	164	151	0.9	132.5	Gypsum	4th Quarter
1013	35	31	1.0	30.8	Gypsum	4th Quarter
1023	148	140	0.8	114.5	Gypsum	4th Quarter

1025	151	144	0.8	116.2	Gypsum	4th Quarter
1029	226	217	0.8	173.3	Gypsum	4th Quarter
1042	228	193	0.9	170.8	Gypsum	4th Quarter
1043	295	158	0.9	140.1	Gypsum	4th Quarter
1044	109	76	0.9	66.9	Gypsum	4th Quarter
1046	319	123.21	0.9	105.7	Gypsum	4th Quarter
1047	85	81	0.9	71.1	Gypsum	4th Quarter
1050	103	91	0.9	80.2	Gypsum	4th Quarter
1060	102	97	0.9	86.1	Gypsum	4th Quarter
1061	332	292	0.8	243.3	Gypsum	4th Quarter
1062	133	121	1.0	115.9	Gypsum	4th Quarter
1069	1029	325	1.0	310.9	Gypsum	4th Quarter
1087	115	106	0.9	92.1	Gypsum	4th Quarter
1088	147	139	1.0	136.9	Gypsum	4th Quarter
1159	594	536	2.3	1235.3	Gypsum	4th Quarter
1162	415	410	1.0	394.5	Gypsum	4th Quarter
1320	211	199	1.0	206	Gypsum	4th Quarter
1322	57	41	1.0	39.8	Gypsum	4th Quarter
1324	286	208	0.9	183.4	Gypsum	4th Quarter
1325	148	121	1.0	121.9	Gypsum	4th Quarter
1336	692	282	0.9	257.1	Gypsum	4th Quarter
1344	282	256	1.1	270.7	Gypsum	4th Quarter
1347	105	82	1.0	85.8	Gypsum	4th Quarter
1348	70	67	0.9	57.5	Gypsum	4th Quarter
1350	102	83	0.8	70	Gypsum	4th Quarter
1352	77	71	0.9	61.9	Gypsum	4th Quarter
1354	219	211	1.0	204.1	Gypsum	4th Quarter
1355	65	62	0.9	55.1	Gypsum	4th Quarter
1356	41	39	0.9	36.8	Gypsum	4th Quarter
1357	265	227	0.9	205.2	Gypsum	4th Quarter
1358	75	74	0.8	62.6	Gypsum	4th Quarter
1359	65	57	1.0	57.7	Gypsum	4th Quarter
1361	383	314	1.0	307.8	Gypsum	4th Quarter
1363	143	71.07	1.0	74	Gypsum	4th Quarter
1364	72	61	0.9	57.5	Gypsum	4th Quarter
1374	298	258	1.0	268.9	Gypsum	4th Quarter
1376	65	63	0.9	55.8	Gypsum	4th Quarter
1378	74	68	0.8	55.5	Gypsum	4th Quarter
1379	62	56	0.8	44.8	Gypsum	4th Quarter
1380	106	79	1.0	80.6	Gypsum	4th Quarter
1381	158	152	1.0	151.4	Gypsum	4th Quarter

1383	65	57	1.1	64.6	Gypsum	4th Quarter
1384	35	29	0.8	24.1	Gypsum	4th Quarter
1385	149	119	0.7	88.1	Gypsum	4th Quarter
1386	117	115	0.9	99.7	Gypsum	4th Quarter
1387	179	84	0.8	69.5	Gypsum	4th Quarter
1388	110	99	0.9	86.3	Gypsum	4th Quarter
1389	329	315	1.0	304.1	Gypsum	4th Quarter
1390	72	55	0.9	48.6	Gypsum	4th Quarter
1398	78	59	0.8	48.6	Gypsum	4th Quarter
1400	331	221	1.1	240.3	Gypsum	4th Quarter
1431	286	259	2.3	592.3	Gypsum	4th Quarter
1432	213	204	2.3	461.7	Gypsum	4th Quarter
1433	169	159	2.1	326	Gypsum	4th Quarter
1434	156	144	1.6	236.5	Gypsum	4th Quarter
1435	229	221	2.2	488	Gypsum	4th Quarter
1436	73	65	2.4	153.3	Gypsum	4th Quarter
1438	121	119	2.2	260.8	Gypsum	4th Quarter
1439	125	117	2.2	261	Gypsum	4th Quarter
1440	154	152	2.3	354	Gypsum	4th Quarter
1451	442	296	2.3	673.5	Gypsum	4th Quarter
1452	35	33	2.3	76	Gypsum	4th Quarter
1453	396	218	2.3	499.2	Gypsum	4th Quarter
1500	119	50	1.0	48.4	Gypsum	2nd Quarter
1503	260	163	1.0	170.9	Gypsum	2nd Quarter
1504	221	161	1.1	169.8	Gypsum	2nd Quarter
1505	439	209	0.6	129.6	Gypsum	2nd Quarter
1506	75	71	0.7	48	Gypsum	2nd Quarter
1509	86	80	0.9	74.2	Gypsum	2nd Quarter
1510	26	25	0.6	16.2	Gypsum	2nd Quarter
1512	649	387	0.7	273.3	Gypsum	2nd Quarter
1517	113	112	0.7	83.8	Gypsum	2nd Quarter
1521	158	122	0.7	86	Gypsum	2nd Quarter
1522	255	131.04	0.9	114	Gypsum	2nd Quarter
1524	292	279	0.8	216	Gypsum	2nd Quarter
1526	225	129	1.0	127.6	Gypsum	2nd Quarter
1527	69	68	0.7	46.9	Gypsum	2nd Quarter
1529	426	194.6	0.7	132.2	Gypsum	2nd Quarter
1530	362	358	0.8	282	Gypsum	2nd Quarter
1534	556	210	0.8	176	Gypsum	2nd Quarter
1536	75	73	0.6	47	Gypsum	2nd Quarter
1537	107	101	0.7	73	Gypsum	2nd Quarter

1539	114	74.59	0.9	69	Gypsum	2nd Quarter
1540	104	100	0.7	69	Gypsum	2nd Quarter
1543	75	38.2	0.9	33	Gypsum	2nd Quarter
1546	628	324	0.9	294	Gypsum	2nd Quarter
1547	149	79	1.0	83	Gypsum	2nd Quarter
1549	207	135.24	0.9	123	Gypsum	2nd Quarter
1550	393	234	0.7	155	Gypsum	2nd Quarter
1551	286	234	1.1	260	Gypsum	2nd Quarter
1552	77	75	1.0	77	Gypsum	2nd Quarter
1553	61	56	1.1	60	Gypsum	2nd Quarter
1554	72	60	1.0	57	Gypsum	2nd Quarter
1555	103	99	0.8	82	Gypsum	2nd Quarter
1556	147	118	0.8	96	Gypsum	2nd Quarter
1557	83	80	0.7	53	Gypsum	2nd Quarter
1558	148	121	0.8	95	Gypsum	2nd Quarter
1559	758	254	1.0	266	Gypsum	2nd Quarter
1560	107	102	0.7	71	Gypsum	2nd Quarter
1561	138	83.93	0.6	54	Gypsum	2nd Quarter
1563	15	15	0.8	12	Gypsum	2nd Quarter
1565	95	84	0.9	78	Gypsum	2nd Quarter
1566	127	120	0.9	108	Gypsum	2nd Quarter
1568	132	119	0.9	110	Gypsum	2nd Quarter
1570	898	509	0.8	431	Gypsum	2nd Quarter
1571	230	205	0.6	132	Gypsum	2nd Quarter
1573	181	162	0.9	146	Gypsum	2nd Quarter
1574	74	66	0.7	48	Gypsum	2nd Quarter
1575	180	171.364	0.7	120	Gypsum	2nd Quarter
1576	155	116	0.8	96	Gypsum	2nd Quarter
1577	120	76	0.9	69	Gypsum	2nd Quarter
1578	74	70	0.8	54	Gypsum	2nd Quarter
1579	79	77	0.9	66	Gypsum	2nd Quarter
1580	224	125	0.7	88	Gypsum	2nd Quarter
1581	301	292	0.9	263	Gypsum	2nd Quarter
1582	263	255	1.0	248	Gypsum	2nd Quarter
1583	154	58.83	0.7	41	Gypsum	2nd Quarter
1584	199	105	1.0	108	Gypsum	2nd Quarter
1586	95	80	0.8	66	Gypsum	2nd Quarter
1588	146	137	0.7	101	Gypsum	2nd Quarter
1590	91	80	0.7	59	Gypsum	2nd Quarter
1700	208	82	0.7	56	Gypsum	2nd Quarter
1702	146	90	0.6	58	Gypsum	2nd Quarter

1704	156	149	0.8	124	Gypsum	2nd Quarter
1709	228	146.18	0.9	129	Gypsum	2nd Quarter
1710	84	79	0.7	57	Gypsum	2nd Quarter
1711	60	39	0.8	32	Gypsum	2nd Quarter
1712	71	57	0.9	49	Gypsum	2nd Quarter
1715	138	72	0.7	50	Gypsum	2nd Quarter
1722	101	77	0.8	59	Gypsum	2nd Quarter
1723	309	152	1.1	174	Gypsum	2nd Quarter
1727	394	374	1.0	386	Gypsum	2nd Quarter
1732	72	70	0.7	52	Gypsum	2nd Quarter
1734	112	101	0.8	78	Gypsum	2nd Quarter
1735	78	73.4	0.7	51	Gypsum	2nd Quarter
1736	168	159	0.9	136	Gypsum	2nd Quarter
1737	51	44.78	0.7	33	Gypsum	2nd Quarter
1739	437	214	0.6	137	Gypsum	2nd Quarter
1740	67	66	0.7	45	Gypsum	2nd Quarter
1741	230	155	0.9	135	Gypsum	2nd Quarter
1742	429	162	1.1	176	Gypsum	2nd Quarter
1744	256	79	0.9	70	Gypsum	2nd Quarter
1745	74	72	0.7	50	Gypsum	2nd Quarter
1746	80	79	0.7	54	Gypsum	2nd Quarter
1748	115	114	0.6	74	Gypsum	2nd Quarter
1749	67	52	0.8	43	Gypsum	2nd Quarter
1751	89	80	0.9	72	Gypsum	2nd Quarter
1756	147	77	1.1	84	Gypsum	2nd Quarter
1757	139	120	0.8	99	Gypsum	2nd Quarter
1758	98	94.78	0.9	81	Gypsum	2nd Quarter
1759	153	149	0.7	107	Gypsum	2nd Quarter

The fields used for land application were evaluated for soil phosphorus levels, salts and soil pH. Farms with a soil pH below 6.0 should receive an application of agricultural lime. Salt levels should be managed to maintain levels below 1.0. Fields with a phosphorus level exceeding 31 ppm in the Mehlich P should be managed so that fertility levels do not increase, thus applying nutrients at crop removal rates. A summary of field characteristics is shown below – site specific discussion follows:

Farmer	Site	pH	MEH-3 P	Salts	NET P	NET K
Kim Bertelson	630	7.4	77	1.10	139	-18
Brit Liljedahl	760	7.4	12	0.83	142	-16
Kim Bertelson	765	7.5	59	1.08	114	-21
Kim Bertelson	766	7.6	46	0.77	198	-34
Kim Bertelson	767	7.1	26	0.55	202	-33

Kim Bertelson	770	7.5	43	0.78	190	-35
Kim Bertelson	771	7.0	44	1.18	172	-15
Robert Arkfeld	1159	5.9	40	0.30	119	-47
Jason McIntosh	1432	7.4	39	0.40	188	-40
Jason McIntosh	1433	7.2	20	0.20	202	-42
Jason McIntosh	1434	7.3	73	0.20	126	-52

**Only fields that received industrial sludge are listed above.*

Land Application Sites for 2024/2025 Calendar Year:

630: This farm received 505 dry tons of product applied on approximately 264 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 240 Bushels per acre was harvested on the farm. Based on this yield, approximately 77 lbs. of P2O5 and 53 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.7%, the phosphorus ranges from a minimum of 15 and a max of 304 with an average of 77 ppm; the Very High range according to Iowa State University. Soil potassium averages 370 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 139 lbs of P2O5 and -18 lbs of K2O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 1.1 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

760: This farm received 203.7 dry tons of product applied on approximately 107 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 230 Bushels per acre was harvested on the farm. Based on this yield, approximately 74 lbs. of P2O5 and 51 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.8%, the phosphorus ranges from a minimum of 9 and a max of 15 with an average of 12 ppm; the Low range according to Iowa State University. Soil potassium averages 267 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 142 lbs of P2O5 and -16 lbs of K2O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.8 mhoms/dm and there are no concerns related to current measured salt levels.

765: This farm received 357.2 dry tons of product applied on approximately 215 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 230 Bushels per acre was harvested on the farm. Based on this yield, approximately 74 lbs. of P2O5 and 51 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.1%, the phosphorus ranges from a minimum of 27 and a max of 137 with an average of 59 ppm; the Very High range according to Iowa State University. Soil potassium averages 489 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 114 lbs of P2O5 and -21 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 1.1 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

766: This farm received 168.5 dry tons of product applied on approximately 79 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P2O5 and 72 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.6%, the phosphorus ranges from a minimum of 16 and a max of 102 with an average of 46 ppm; the Very High range according to Iowa State University. Soil potassium averages 250 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 198 lbs of P2O5 and -34 lbs of K2O are calculated on these acres. Average soil pH is 7.6 - Alkaline and no action is needed. Reported salt (EC) levels are 0.8 mhoms/dm and there are no concerns related to current measured salt levels.

767: This farm received 175.7 dry tons of product applied on approximately 81 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P2O5 and 72 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.1%, the phosphorus ranges from a minimum of 13 and a max of 41 with an average of 26 ppm; the High range according to Iowa State University. Soil potassium averages 213 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 202 lbs of P2O5 and -33 lbs of K2O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

770: This farm received 239.3 dry tons of product applied on approximately 116 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P2O5 and 72 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.5%, the phosphorus ranges from a minimum of 6 and a max of 86 with an average of 43 ppm; the Very High range according to Iowa State University. Soil potassium averages 322 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 190 lbs of P2O5 and -35 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.8 mhoms/dm and there are no concerns related to current measured salt levels.

771: This farm received 533.3 dry tons of product applied on approximately 239 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 250 Bushels per acre was harvested on the farm. Based on this yield, approximately 80 lbs. of P2O5 and 55 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.9%, the phosphorus ranges from a minimum of 2 and a max of 95 with an average of 44 ppm; the Very High range according to Iowa State University. Soil potassium averages 341 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 172 lbs of P2O5 and -15 lbs of K2O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 1.2 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

1159: This farm received 53.5 dry tons of product applied on approximately 37 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P2O5 and 73 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.4%, the phosphorus ranges from a minimum of 18 and a max of 71 with an average of 40 ppm; the Very High range according to Iowa State University. Soil potassium averages 243 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 119 lbs of P2O5 and -47 lbs of K2O are calculated on these acres. Average soil pH is 5.9 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1432: This farm received 244.3 dry tons of product applied on approximately 118 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 64 Bushels per acre was harvested on the farm. Based on this yield, approximately 46 lbs. of P2O5 and 77 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.7%, the phosphorus ranges from a minimum of 18 and a max of 60 with an average of 39 ppm; the Very High range according to Iowa State University. Soil potassium averages 190 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 188 lbs of P2O5 and -40 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1433: This farm received 90.9 dry tons of product applied on approximately 41 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 68 Bushels per acre was harvested on the farm. Based on this yield, approximately 49 lbs. of P2O5 and 82 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.1%, the phosphorus ranges from a minimum of 12 and a max of 27 with an average of 20 ppm; the Optimum range according to Iowa State University. Soil potassium averages 236 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 202 lbs of P2O5 and -42 lbs of K2O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1434: This farm received 118.2 dry tons of product applied on approximately 77 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 79 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.5%, the phosphorus ranges from a minimum of 24 and a max of 131 with an average of 73 ppm; the Very High range according to Iowa State University. Soil potassium averages 372 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of 126 lbs of P2O5 and -52 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

630: This farm received 407.4 dry tons of product applied on approximately 182 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 240 Bushels per acre was harvested on the farm. Based on this yield, approximately 77 lbs. of P2O5 and 53 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.7%, the phosphorus ranges from a minimum of 15 and a max of 304 with an average of 77 ppm; the Very High range according to Iowa State University. Soil potassium averages 370 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -75 lbs of P2O5 and -53 lbs of K2O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 1.1 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

755: This farm received 482.2 dry tons of product applied on approximately 218 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 258 Bushels per acre was harvested on the farm. Based on this yield, approximately 83 lbs. of P2O5 and 57 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 11 and a max of 36 with an average of 22 ppm; the High range according to Iowa State University. Soil potassium averages 307 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -80 lbs of P2O5 and -57 lbs of K2O are calculated on these acres. Average soil pH is 6.2 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

756: This farm received 349.5 dry tons of product applied on approximately 159 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 237 Bushels per acre was harvested on the farm. Based on this yield, approximately 76 lbs. of P2O5 and 52 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 36 and a max of 46 with an average of 39 ppm; the Very High range according to Iowa State University. Soil potassium averages 318 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -74 lbs of P2O5 and -52 lbs of K2O are calculated on these acres. Average soil pH is 6 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

765: This farm received 499.5 dry tons of product applied on approximately 221 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 230 Bushels per acre was harvested on the farm. Based on this yield, approximately 74 lbs. of P2O5 and 51 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.1%, the phosphorus ranges from a minimum of 27 and a max of 137 with an average of 59 ppm; the Very High range according to Iowa State University. Soil potassium averages 489 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -71 lbs of P2O5 and -51 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 1.1 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

767: This farm received 597.6 dry tons of product applied on approximately 259 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P2O5 and 72 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.1%, the phosphorus ranges from a minimum of 13 and a max of 41 with an average of 26 ppm; the High range according to Iowa State University. Soil potassium averages 213 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -41 lbs of P2O5 and -72 lbs of K2O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

770: This farm received 348.3 dry tons of product applied on approximately 161 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P2O5 and 72 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.5%, the phosphorus ranges from a minimum of 6 and a max of 86 with an average of 43 ppm; the Very High range according to Iowa State University. Soil potassium averages 322 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -41 lbs of P2O5 and -72 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.8 mhoms/dm and there are no concerns related to current measured salt levels.

771: This farm received 521.2 dry tons of product applied on approximately 234 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 250 Bushels per acre was harvested on the farm. Based on this yield, approximately 80 lbs. of P2O5 and 55 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.9%, the phosphorus ranges from a minimum of 2 and a max of 95 with an average of 44 ppm; the Very High range according to Iowa State University. Soil potassium averages 341 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -78 lbs of P2O5 and -55 lbs of K2O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 1.2 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

1003: This farm received 53.9 dry tons of product applied on approximately 61 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 229 Bushels per acre was harvested on the farm. Based on this yield, approximately 73 lbs. of P2O5 and 50 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.2%, the phosphorus ranges from a minimum of 9 and a max of 40 with an average of 29 ppm; the High range according to Iowa State University. Soil potassium averages 175 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -72 lbs of P2O5 and -50 lbs of K2O are calculated on these acres. Average soil pH is 6.3 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1008: This farm received 111.5 dry tons of product applied on approximately 141 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P₂O₅ and 72 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3%, the phosphorus ranges from a minimum of 9 and a max of 53 with an average of 31 ppm; the Very High range according to Iowa State University. Soil potassium averages 172 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P₂O₅ and -72 lbs of K₂O are calculated on these acres. Average soil pH is 6.1 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1010: This farm received 121.3 dry tons of product applied on approximately 145 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 58 Bushels per acre was harvested on the farm. Based on this yield, approximately 42 lbs. of P₂O₅ and 70 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 5.3%, the phosphorus ranges from a minimum of 30 and a max of 40 with an average of 35 ppm; the Very High range according to Iowa State University. Soil potassium averages 180 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -41 lbs of P₂O₅ and -70 lbs of K₂O are calculated on these acres. Average soil pH is 6.1 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1011: This farm received 172.1 dry tons of product applied on approximately 202 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P₂O₅ and 78 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 9 and a max of 108 with an average of 50 ppm; the Very High range according to Iowa State University. Soil potassium averages 232 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P₂O₅ and -78 lbs of K₂O are calculated on these acres. Average soil pH is 6.4 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1012: This farm received 132.5 dry tons of product applied on approximately 151 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 241 Bushels per acre was harvested on the farm. Based on this yield, approximately 77 lbs. of P₂O₅ and 53 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.3%, the phosphorus ranges from a minimum of 9 and a max of 54 with an average of 24 ppm; the High range according to Iowa State University. Soil potassium averages 145 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -76 lbs of P₂O₅ and -53 lbs of K₂O are calculated on these acres. Average soil pH is 6.1 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1013: This farm received 30.8 dry tons of product applied on approximately 31 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 56 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P2O5 and 67 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 20 and a max of 50 with an average of 35 ppm; the Very High range according to Iowa State University. Soil potassium averages 216 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P2O5 and -67 lbs of K2O are calculated on these acres. Average soil pH is 6.6 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1023: This farm received 114.5 dry tons of product applied on approximately 140 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 79 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.2%, the phosphorus ranges from a minimum of 8 and a max of 38 with an average of 26 ppm; the High range according to Iowa State University. Soil potassium averages 194 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P2O5 and -79 lbs of K2O are calculated on these acres. Average soil pH is 6 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1025: This farm received 116.2 dry tons of product applied on approximately 144 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 79 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 21 and a max of 36 with an average of 30 ppm; the High range according to Iowa State University. Soil potassium averages 224 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P2O5 and -79 lbs of K2O are calculated on these acres. Average soil pH is 6.1 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1029: This farm received 173.3 dry tons of product applied on approximately 217 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 238 Bushels per acre was harvested on the farm. Based on this yield, approximately 76 lbs. of P2O5 and 52 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.6%, the phosphorus ranges from a minimum of 26 and a max of 47 with an average of 34 ppm; the Very High range according to Iowa State University. Soil potassium averages 216 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -75 lbs of P2O5 and -52 lbs of K2O are calculated on these acres. Average soil pH is 6 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1042: This farm received 170.8 dry tons of product applied on approximately 193 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 202 Bushels per acre was harvested on the farm. Based on this yield, approximately 65 lbs. of P2O5 and 44 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 10 and a max of 31 with an average of 22 ppm; the High range according to Iowa State University. Soil potassium averages 190 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -64 lbs of P2O5 and -44 lbs of K2O are calculated on these acres. Average soil pH is 6.2 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1043: This farm received 140.1 dry tons of product applied on approximately 158 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 271 Bushels per acre was harvested on the farm. Based on this yield, approximately 87 lbs. of P2O5 and 60 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.3%, the phosphorus ranges from a minimum of 8 and a max of 26 with an average of 16 ppm; the Optimum range according to Iowa State University. Soil potassium averages 194 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -86 lbs of P2O5 and -60 lbs of K2O are calculated on these acres. Average soil pH is 6.3 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1044: This farm received 66.9 dry tons of product applied on approximately 76 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 59 Bushels per acre was harvested on the farm. Based on this yield, approximately 42 lbs. of P2O5 and 71 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 30 and a max of 65 with an average of 46 ppm; the Very High range according to Iowa State University. Soil potassium averages 270 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P2O5 and -71 lbs of K2O are calculated on these acres. Average soil pH is 6 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1046: This farm received 105.7 dry tons of product applied on approximately 123.2 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 53 Bushels per acre was harvested on the farm. Based on this yield, approximately 38 lbs. of P2O5 and 64 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.3%, the phosphorus ranges from a minimum of 11 and a max of 30 with an average of 24 ppm; the High range according to Iowa State University. Soil potassium averages 183 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -37 lbs of P2O5 and -64 lbs of K2O are calculated on these acres. Average soil pH is 6.2 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1047: This farm received 71.1 dry tons of product applied on approximately 81 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 263 Bushels per acre was harvested on the farm. Based on this yield, approximately 84 lbs. of P2O5 and 58 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.6%, the phosphorus ranges from a minimum of 28 and a max of 32 with an average of 30 ppm; the High range according to Iowa State University. Soil potassium averages 257 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -83 lbs of P2O5 and -58 lbs of K2O are calculated on these acres. Average soil pH is 5.8 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.7 mhoms/dm and there are no concerns related to current measured salt levels.

1050: This farm received 80.2 dry tons of product applied on approximately 91 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 259 Bushels per acre was harvested on the farm. Based on this yield, approximately 83 lbs. of P2O5 and 57 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.1%, the phosphorus ranges from a minimum of 9 and a max of 80 with an average of 38 ppm; the Very High range according to Iowa State University. Soil potassium averages 225 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -82 lbs of P2O5 and -57 lbs of K2O are calculated on these acres. Average soil pH is 5.5 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1060: This farm received 86.1 dry tons of product applied on approximately 97 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P2O5 and 72 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.4%, the phosphorus ranges from a minimum of 9 and a max of 17 with an average of 12 ppm; the Low range according to Iowa State University. Soil potassium averages 167 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P2O5 and -72 lbs of K2O are calculated on these acres. Average soil pH is 5.5 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1061: This farm received 243.3 dry tons of product applied on approximately 292 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 274 Bushels per acre was harvested on the farm. Based on this yield, approximately 88 lbs. of P2O5 and 60 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 7 and a max of 43 with an average of 31 ppm; the Very High range according to Iowa State University. Soil potassium averages 189 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -87 lbs of P2O5 and -60 lbs of K2O are calculated on these acres. Average soil pH is 5.8 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1062: This farm received 115.9 dry tons of product applied on approximately 121 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 63 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P₂O₅ and 76 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 8 and a max of 59 with an average of 30 ppm; the High range according to Iowa State University. Soil potassium averages 171 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -44 lbs of P₂O₅ and -76 lbs of K₂O are calculated on these acres. Average soil pH is 5.5 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1069: This farm received 310.9 dry tons of product applied on approximately 325 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P₂O₅ and 78 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 9 and a max of 43 with an average of 29 ppm; the High range according to Iowa State University. Soil potassium averages 167 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P₂O₅ and -78 lbs of K₂O are calculated on these acres. Average soil pH is 6.2 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1087: This farm received 92.1 dry tons of product applied on approximately 106 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 247 Bushels per acre was harvested on the farm. Based on this yield, approximately 79 lbs. of P₂O₅ and 54 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3%, the phosphorus ranges from a minimum of 8 and a max of 41 with an average of 20 ppm; the Optimum range according to Iowa State University. Soil potassium averages 215 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -78 lbs of P₂O₅ and -54 lbs of K₂O are calculated on these acres. Average soil pH is 5.7 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1088: This farm received 136.9 dry tons of product applied on approximately 139 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P₂O₅ and 72 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.9%, the phosphorus ranges from a minimum of 8 and a max of 33 with an average of 20 ppm; the Optimum range according to Iowa State University. Soil potassium averages 188 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P₂O₅ and -72 lbs of K₂O are calculated on these acres. Average soil pH is 5.8 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1159: This farm received 1235.3 dry tons of product applied on approximately 536 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P2O5 and 73 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.4%, the phosphorus ranges from a minimum of 18 and a max of 71 with an average of 40 ppm; the Very High range according to Iowa State University. Soil potassium averages 243 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P2O5 and -73 lbs of K2O are calculated on these acres. Average soil pH is 5.9 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1162: This farm received 394.5 dry tons of product applied on approximately 410 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 280 Bushels per acre was harvested on the farm. Based on this yield, approximately 90 lbs. of P2O5 and 62 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.4%, the phosphorus ranges from a minimum of 7 and a max of 107 with an average of 55 ppm; the Very High range according to Iowa State University. Soil potassium averages 247 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -89 lbs of P2O5 and -62 lbs of K2O are calculated on these acres. Average soil pH is 6.1 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1320: This farm received 206 dry tons of product applied on approximately 199 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 260 Bushels per acre was harvested on the farm. Based on this yield, approximately 83 lbs. of P2O5 and 57 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.6%, the phosphorus ranges from a minimum of 23 and a max of 30 with an average of 27 ppm; the High range according to Iowa State University. Soil potassium averages 199 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -82 lbs of P2O5 and -57 lbs of K2O are calculated on these acres. Average soil pH is 6.4 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1322: This farm received 39.8 dry tons of product applied on approximately 41 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 200 Bushels per acre was harvested on the farm. Based on this yield, approximately 64 lbs. of P2O5 and 44 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.3%, the phosphorus ranges from a minimum of 22 and a max of 33 with an average of 28 ppm; the High range according to Iowa State University. Soil potassium averages 156 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -63 lbs of P2O5 and -44 lbs of K2O are calculated on these acres. Average soil pH is 6.5 - Neutral and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1324: This farm received 183.4 dry tons of product applied on approximately 208 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P₂O₅ and 66 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 12 and a max of 23 with an average of 17 ppm; the Optimum range according to Iowa State University. Soil potassium averages 156 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P₂O₅ and -66 lbs of K₂O are calculated on these acres. Average soil pH is 6 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1325: This farm received 121.9 dry tons of product applied on approximately 121 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P₂O₅ and 72 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.1%, the phosphorus ranges from a minimum of 11 and a max of 15 with an average of 13 ppm; the Low range according to Iowa State University. Soil potassium averages 170 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P₂O₅ and -72 lbs of K₂O are calculated on these acres. Average soil pH is 6.3 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1336: This farm received 257.1 dry tons of product applied on approximately 282 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 285 Bushels per acre was harvested on the farm. Based on this yield, approximately 91 lbs. of P₂O₅ and 63 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.3%, the phosphorus ranges from a minimum of 23 and a max of 97 with an average of 56 ppm; the Very High range according to Iowa State University. Soil potassium averages 281 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -90 lbs of P₂O₅ and -63 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1344: This farm received 270.7 dry tons of product applied on approximately 256 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P₂O₅ and 73 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.6%, the phosphorus ranges from a minimum of 17 and a max of 52 with an average of 29 ppm; the High range according to Iowa State University. Soil potassium averages 220 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -43 lbs of P₂O₅ and -73 lbs of K₂O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1347: This farm received 85.8 dry tons of product applied on approximately 82 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 57 Bushels per acre was harvested on the farm. Based on this yield, approximately 41 lbs. of P2O5 and 68 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 14 and a max of 74 with an average of 41 ppm; the Very High range according to Iowa State University. Soil potassium averages 253 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -40 lbs of P2O5 and -68 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.9 mhoms/dm and there are no concerns related to current measured salt levels.

1348: This farm received 57.5 dry tons of product applied on approximately 67 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 57 Bushels per acre was harvested on the farm. Based on this yield, approximately 41 lbs. of P2O5 and 68 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.2%, the phosphorus ranges from a minimum of 18 and a max of 47 with an average of 29 ppm; the High range according to Iowa State University. Soil potassium averages 217 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -40 lbs of P2O5 and -68 lbs of K2O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1350: This farm received 69.8 dry tons of product applied on approximately 83 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 272 Bushels per acre was harvested on the farm. Based on this yield, approximately 87 lbs. of P2O5 and 60 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 18 and a max of 50 with an average of 40 ppm; the Very High range according to Iowa State University. Soil potassium averages 267 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -86 lbs of P2O5 and -60 lbs of K2O are calculated on these acres. Average soil pH is 6.6 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1352: This farm received 61.9 dry tons of product applied on approximately 71 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P2O5 and 73 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 56 and a max of 64 with an average of 61 ppm; the Very High range according to Iowa State University. Soil potassium averages 284 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -43 lbs of P2O5 and -73 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1354: This farm received 204.1 dry tons of product applied on approximately 211 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 56 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P2O5 and 67 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.7%, the phosphorus ranges from a minimum of 40 and a max of 86 with an average of 68 ppm; the Very High range according to Iowa State University. Soil potassium averages 408 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P2O5 and -67 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1355: This farm received 55.1 dry tons of product applied on approximately 62 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 201 Bushels per acre was harvested on the farm. Based on this yield, approximately 64 lbs. of P2O5 and 44 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.4%, the phosphorus ranges from a minimum of 57 and a max of 241 with an average of 113 ppm; the Very High range according to Iowa State University. Soil potassium averages 562 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -63 lbs of P2O5 and -44 lbs of K2O are calculated on these acres. Average soil pH is 6.8 - Neutral and no action is needed. Reported salt (EC) levels are 0.9 mhoms/dm and there are no concerns related to current measured salt levels.

1356: This farm received 36.8 dry tons of product applied on approximately 39 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 235 Bushels per acre was harvested on the farm. Based on this yield, approximately 75 lbs. of P2O5 and 52 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 60 and a max of 61 with an average of 61 ppm; the Very High range according to Iowa State University. Soil potassium averages 314 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -74 lbs of P2O5 and -52 lbs of K2O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 0.7 mhoms/dm and there are no concerns related to current measured salt levels.

1357: This farm received 205.2 dry tons of product applied on approximately 227 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 241 Bushels per acre was harvested on the farm. Based on this yield, approximately 77 lbs. of P2O5 and 53 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 22 and a max of 36 with an average of 31 ppm; the Very High range according to Iowa State University. Soil potassium averages 203 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -76 lbs of P2O5 and -53 lbs of K2O are calculated on these acres. Average soil pH is 6 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1358: This farm received 62.6 dry tons of product applied on approximately 74 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 249 Bushels per acre was harvested on the farm. Based on this yield, approximately 80 lbs. of P2O5 and 55 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.2%, the phosphorus ranges from a minimum of 22 and a max of 32 with an average of 27 ppm; the High range according to Iowa State University. Soil potassium averages 180 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -79 lbs of P2O5 and -55 lbs of K2O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1359: This farm received 57.7 dry tons of product applied on approximately 57 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 255 Bushels per acre was harvested on the farm. Based on this yield, approximately 82 lbs. of P2O5 and 56 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 49 and a max of 49 with an average of 49 ppm; the Very High range according to Iowa State University. Soil potassium averages 253 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -81 lbs of P2O5 and -56 lbs of K2O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1361: This farm received 307.8 dry tons of product applied on approximately 314 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 290 Bushels per acre was harvested on the farm. Based on this yield, approximately 93 lbs. of P2O5 and 64 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 62 and a max of 87 with an average of 75 ppm; the Very High range according to Iowa State University. Soil potassium averages 353 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -92 lbs of P2O5 and -64 lbs of K2O are calculated on these acres. Average soil pH is 6.9 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1363: This farm received 74 dry tons of product applied on approximately 71.07 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 212 Bushels per acre was harvested on the farm. Based on this yield, approximately 68 lbs. of P2O5 and 47 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 64 and a max of 73 with an average of 70 ppm; the Very High range according to Iowa State University. Soil potassium averages 360 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -67 lbs of P2O5 and -47 lbs of K2O are calculated on these acres. Average soil pH is 6.8 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1364: This farm received 57.5 dry tons of product applied on approximately 61 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 267 Bushels per acre was harvested on the farm. Based on this yield, approximately 85 lbs. of P₂O₅ and 59 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 53 and a max of 62 with an average of 58 ppm; the Very High range according to Iowa State University. Soil potassium averages 289 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -84 lbs of P₂O₅ and -59 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1374: This farm received 268.9 dry tons of product applied on approximately 258 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P₂O₅ and 79 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 14 and a max of 29 with an average of 22 ppm; the High range according to Iowa State University. Soil potassium averages 180 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P₂O₅ and -79 lbs of K₂O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1376: This farm received 55.8 dry tons of product applied on approximately 63 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 277 Bushels per acre was harvested on the farm. Based on this yield, approximately 89 lbs. of P₂O₅ and 61 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.3%, the phosphorus ranges from a minimum of 38 and a max of 41 with an average of 40 ppm; the Very High range according to Iowa State University. Soil potassium averages 198 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -88 lbs of P₂O₅ and -61 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1378: This farm received 55.5 dry tons of product applied on approximately 68 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 274 Bushels per acre was harvested on the farm. Based on this yield, approximately 88 lbs. of P₂O₅ and 60 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.2%, the phosphorus ranges from a minimum of 37 and a max of 41 with an average of 39 ppm; the Very High range according to Iowa State University. Soil potassium averages 218 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -87 lbs of P₂O₅ and -60 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1379: This farm received 44.8 dry tons of product applied on approximately 56 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 63 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P2O5 and 76 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.1%, the phosphorus ranges from a minimum of 41 and a max of 41 with an average of 41 ppm; the Very High range according to Iowa State University. Soil potassium averages 201 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -45 lbs of P2O5 and -76 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1380: This farm received 80.6 dry tons of product applied on approximately 79 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P2O5 and 78 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.3%, the phosphorus ranges from a minimum of 42 and a max of 46 with an average of 44 ppm; the Very High range according to Iowa State University. Soil potassium averages 272 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P2O5 and -78 lbs of K2O are calculated on these acres. Average soil pH is 6.9 - Neutral and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1381: This farm received 151.4 dry tons of product applied on approximately 152 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P2O5 and 73 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.4%, the phosphorus ranges from a minimum of 44 and a max of 47 with an average of 46 ppm; the Very High range according to Iowa State University. Soil potassium averages 265 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -43 lbs of P2O5 and -73 lbs of K2O are calculated on these acres. Average soil pH is 6.9 - Neutral and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1383: This farm received 64.6 dry tons of product applied on approximately 57 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P2O5 and 72 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 91 and a max of 91 with an average of 91 ppm; the Very High range according to Iowa State University. Soil potassium averages 272 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P2O5 and -72 lbs of K2O are calculated on these acres. Average soil pH is 7.6 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1384: This farm received 24.1 dry tons of product applied on approximately 29 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 226 Bushels per acre was harvested on the farm. Based on this yield, approximately 72 lbs. of P₂O₅ and 50 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 59 and a max of 59 with an average of 59 ppm; the Very High range according to Iowa State University. Soil potassium averages 255 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -71 lbs of P₂O₅ and -50 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1385: This farm received 88.1 dry tons of product applied on approximately 119 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 221 Bushels per acre was harvested on the farm. Based on this yield, approximately 71 lbs. of P₂O₅ and 49 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 22 and a max of 38 with an average of 32 ppm; the Very High range according to Iowa State University. Soil potassium averages 271 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -70 lbs of P₂O₅ and -49 lbs of K₂O are calculated on these acres. Average soil pH is 6.7 - Neutral and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1386: This farm received 99.7 dry tons of product applied on approximately 115 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 209 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P₂O₅ and 46 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 14 and a max of 20 with an average of 17 ppm; the Optimum range according to Iowa State University. Soil potassium averages 200 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -66 lbs of P₂O₅ and -46 lbs of K₂O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1387: This farm received 69.5 dry tons of product applied on approximately 84 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P₂O₅ and 79 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 75 and a max of 101 with an average of 84 ppm; the Very High range according to Iowa State University. Soil potassium averages 312 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P₂O₅ and -79 lbs of K₂O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1388: This farm received 86.3 dry tons of product applied on approximately 99 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P2O5 and 66 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 54 and a max of 66 with an average of 60 ppm; the Very High range according to Iowa State University. Soil potassium averages 313 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P2O5 and -66 lbs of K2O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1389: This farm received 304.1 dry tons of product applied on approximately 315 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 51 Bushels per acre was harvested on the farm. Based on this yield, approximately 37 lbs. of P2O5 and 61 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 42 and a max of 89 with an average of 63 ppm; the Very High range according to Iowa State University. Soil potassium averages 320 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -36 lbs of P2O5 and -61 lbs of K2O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1390: This farm received 48.6 dry tons of product applied on approximately 55 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 192 Bushels per acre was harvested on the farm. Based on this yield, approximately 61 lbs. of P2O5 and 42 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.2%, the phosphorus ranges from a minimum of 17 and a max of 23 with an average of 20 ppm; the Optimum range according to Iowa State University. Soil potassium averages 169 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -61 lbs of P2O5 and -42 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1398: This farm received 48.6 dry tons of product applied on approximately 59 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 67 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 80 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 72 and a max of 77 with an average of 75 ppm; the Very High range according to Iowa State University. Soil potassium averages 307 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P2O5 and -80 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1400: This farm received 240.3 dry tons of product applied on approximately 221 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 68 Bushels per acre was harvested on the farm. Based on this yield, approximately 49 lbs. of P₂O₅ and 82 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 5.5%, the phosphorus ranges from a minimum of 35 and a max of 36 with an average of 36 ppm; the Very High range according to Iowa State University. Soil potassium averages 184 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -48 lbs of P₂O₅ and -82 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1431: This farm received 592.3 dry tons of product applied on approximately 259 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P₂O₅ and 73 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.6%, the phosphorus ranges from a minimum of 3 and a max of 5 with an average of 4 ppm; the Very Low range according to Iowa State University. Soil potassium averages 265 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P₂O₅ and -73 lbs of K₂O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1432: This farm received 461.7 dry tons of product applied on approximately 204 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 64 Bushels per acre was harvested on the farm. Based on this yield, approximately 46 lbs. of P₂O₅ and 77 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.7%, the phosphorus ranges from a minimum of 18 and a max of 60 with an average of 39 ppm; the Very High range according to Iowa State University. Soil potassium averages 190 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -44 lbs of P₂O₅ and -77 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1433: This farm received 326 dry tons of product applied on approximately 159 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 68 Bushels per acre was harvested on the farm. Based on this yield, approximately 49 lbs. of P₂O₅ and 82 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.1%, the phosphorus ranges from a minimum of 12 and a max of 27 with an average of 20 ppm; the Optimum range according to Iowa State University. Soil potassium averages 236 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P₂O₅ and -82 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1434: This farm received 236.5 dry tons of product applied on approximately 144 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P₂O₅ and 79 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.5%, the phosphorus ranges from a minimum of 24 and a max of 131 with an average of 73 ppm; the Very High range according to Iowa State University. Soil potassium averages 372 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P₂O₅ and -79 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1435: This farm received 488 dry tons of product applied on approximately 221 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 271 Bushels per acre was harvested on the farm. Based on this yield, approximately 87 lbs. of P₂O₅ and 60 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.6%, the phosphorus ranges from a minimum of 5 and a max of 23 with an average of 11 ppm; the Low range according to Iowa State University. Soil potassium averages 280 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -85 lbs of P₂O₅ and -60 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1436: This farm received 153.3 dry tons of product applied on approximately 65 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 261 Bushels per acre was harvested on the farm. Based on this yield, approximately 84 lbs. of P₂O₅ and 57 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.1%, the phosphorus ranges from a minimum of 27 and a max of 37 with an average of 32 ppm; the Very High range according to Iowa State University. Soil potassium averages 396 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -81 lbs of P₂O₅ and -57 lbs of K₂O are calculated on these acres. Average soil pH is 6.7 - Neutral and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1438: This farm received 260.8 dry tons of product applied on approximately 119 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 274 Bushels per acre was harvested on the farm. Based on this yield, approximately 88 lbs. of P₂O₅ and 60 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.9%, the phosphorus ranges from a minimum of 32 and a max of 41 with an average of 38 ppm; the Very High range according to Iowa State University. Soil potassium averages 238 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -85 lbs of P₂O₅ and -60 lbs of K₂O are calculated on these acres. Average soil pH is 7.7 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1439: This farm received 261.4 dry tons of product applied on approximately 117 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 237 Bushels per acre was harvested on the farm. Based on this yield, approximately 76 lbs. of P₂O₅ and 52 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 1.9%, the phosphorus ranges from a minimum of 9 and a max of 21 with an average of 13 ppm; the Low range according to Iowa State University. Soil potassium averages 141 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -74 lbs of P₂O₅ and -52 lbs of K₂O are calculated on these acres. Average soil pH is 7.8 - Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1440: This farm received 353.6 dry tons of product applied on approximately 152 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 281 Bushels per acre was harvested on the farm. Based on this yield, approximately 90 lbs. of P₂O₅ and 62 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.3%, the phosphorus ranges from a minimum of 23 and a max of 185 with an average of 88 ppm; the Very High range according to Iowa State University. Soil potassium averages 293 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -88 lbs of P₂O₅ and -62 lbs of K₂O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1451: This farm received 673.5 dry tons of product applied on approximately 296 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 224 Bushels per acre was harvested on the farm. Based on this yield, approximately 72 lbs. of P₂O₅ and 49 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.8%, the phosphorus ranges from a minimum of 7 and a max of 36 with an average of 20 ppm; the Optimum range according to Iowa State University. Soil potassium averages 179 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -69 lbs of P₂O₅ and -49 lbs of K₂O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1452: This farm received 76.2 dry tons of product applied on approximately 33 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 255 Bushels per acre was harvested on the farm. Based on this yield, approximately 82 lbs. of P₂O₅ and 56 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.8%, the phosphorus ranges from a minimum of 52 and a max of 55 with an average of 54 ppm; the Very High range according to Iowa State University. Soil potassium averages 298 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -79 lbs of P₂O₅ and -56 lbs of K₂O are calculated on these acres. Average soil pH is 7.7 - Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1453: This farm received 499.2 dry tons of product applied on approximately 218 acres in the 4th Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 209 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P2O5 and 46 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 7 and a max of 32 with an average of 17 ppm; the Optimum range according to Iowa State University. Soil potassium averages 315 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -65 lbs of P2O5 and -46 lbs of K2O are calculated on these acres. Average soil pH is 6.7 - Neutral and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1500: This farm received 48.4 dry tons of product applied on approximately 50 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 79 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 18 and a max of 25 with an average of 21 ppm; the High range according to Iowa State University. Soil potassium averages 239 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P2O5 and -79 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1503: This farm received 170.9 dry tons of product applied on approximately 163 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P2O5 and 66 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 3 and a max of 12 with an average of 8 ppm; the Very Low range according to Iowa State University. Soil potassium averages 159 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P2O5 and -66 lbs of K2O are calculated on these acres. Average soil pH is 7.6 - Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1504: This farm received 169.8 dry tons of product applied on approximately 161 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 235 Bushels per acre was harvested on the farm. Based on this yield, approximately 75 lbs. of P2O5 and 52 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 55 and a max of 65 with an average of 59 ppm; the Very High range according to Iowa State University. Soil potassium averages 237 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -74 lbs of P2O5 and -52 lbs of K2O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1505: This farm received 129.6 dry tons of product applied on approximately 209 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 241 Bushels per acre was harvested on the farm. Based on this yield, approximately 77 lbs. of P2O5 and 53 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 26 and a max of 58 with an average of 40 ppm; the Very High range according to Iowa State University. Soil potassium averages 224 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -76 lbs of P2O5 and -53 lbs of K2O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.8 mhoms/dm and there are no concerns related to current measured salt levels.

1506: This farm received 47.5 dry tons of product applied on approximately 71 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 272 Bushels per acre was harvested on the farm. Based on this yield, approximately 87 lbs. of P2O5 and 60 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 74 and a max of 83 with an average of 79 ppm; the Very High range according to Iowa State University. Soil potassium averages 284 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -86 lbs of P2O5 and -60 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1509: This farm received 74.2 dry tons of product applied on approximately 80 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 233 Bushels per acre was harvested on the farm. Based on this yield, approximately 75 lbs. of P2O5 and 51 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 53 and a max of 76 with an average of 65 ppm; the Very High range according to Iowa State University. Soil potassium averages 247 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -74 lbs of P2O5 and -51 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1510: This farm received 16.2 dry tons of product applied on approximately 25 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 67 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 80 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.3%, the phosphorus ranges from a minimum of 22 and a max of 22 with an average of 22 ppm; the High range according to Iowa State University. Soil potassium averages 181 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -48 lbs of P2O5 and -80 lbs of K2O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1512: This farm received 273.3 dry tons of product applied on approximately 387 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P₂O₅ and 66 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 19 and a max of 69 with an average of 37 ppm; the Very High range according to Iowa State University. Soil potassium averages 221 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P₂O₅ and -66 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1517: This farm received 83.8 dry tons of product applied on approximately 112 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 277 Bushels per acre was harvested on the farm. Based on this yield, approximately 89 lbs. of P₂O₅ and 61 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 5%, the phosphorus ranges from a minimum of 77 and a max of 78 with an average of 78 ppm; the Very High range according to Iowa State University. Soil potassium averages 345 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -88 lbs of P₂O₅ and -61 lbs of K₂O are calculated on these acres. Average soil pH is 7.6 - Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1521: This farm received 86 dry tons of product applied on approximately 122 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 58 Bushels per acre was harvested on the farm. Based on this yield, approximately 42 lbs. of P₂O₅ and 70 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 55 and a max of 75 with an average of 64 ppm; the Very High range according to Iowa State University. Soil potassium averages 256 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -41 lbs of P₂O₅ and -70 lbs of K₂O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1522: This farm received 114.1 dry tons of product applied on approximately 131.04 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P₂O₅ and 72 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.6%, the phosphorus ranges from a minimum of 10 and a max of 24 with an average of 17 ppm; the Optimum range according to Iowa State University. Soil potassium averages 159 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P₂O₅ and -72 lbs of K₂O are calculated on these acres. Average soil pH is 5.5 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1524: This farm received 215.5 dry tons of product applied on approximately 279 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P₂O₅ and 72 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.1%, the phosphorus ranges from a minimum of 33 and a max of 52 with an average of 41 ppm; the Very High range according to Iowa State University. Soil potassium averages 193 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P₂O₅ and -72 lbs of K₂O are calculated on these acres. Average soil pH is 5.9 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1526: This farm received 127.6 dry tons of product applied on approximately 129 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 63 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P₂O₅ and 76 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 19 and a max of 67 with an average of 43 ppm; the Very High range according to Iowa State University. Soil potassium averages 294 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -44 lbs of P₂O₅ and -76 lbs of K₂O are calculated on these acres. Average soil pH is 5.9 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1527: This farm received 46.9 dry tons of product applied on approximately 68 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 206 Bushels per acre was harvested on the farm. Based on this yield, approximately 66 lbs. of P₂O₅ and 45 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.2%, the phosphorus ranges from a minimum of 17 and a max of 17 with an average of 17 ppm; the Optimum range according to Iowa State University. Soil potassium averages 179 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -65 lbs of P₂O₅ and -45 lbs of K₂O are calculated on these acres. Average soil pH is 6.3 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1529: This farm received 132.2 dry tons of product applied on approximately 194.6 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 213 Bushels per acre was harvested on the farm. Based on this yield, approximately 68 lbs. of P₂O₅ and 47 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 21 and a max of 66 with an average of 49 ppm; the Very High range according to Iowa State University. Soil potassium averages 181 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -67 lbs of P₂O₅ and -47 lbs of K₂O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1530: This farm received 281.8 dry tons of product applied on approximately 358 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 57 Bushels per acre was harvested on the farm. Based on this yield, approximately 41 lbs. of P₂O₅ and 68 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 34 and a max of 70 with an average of 61 ppm; the Very High range according to Iowa State University. Soil potassium averages 205 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -40 lbs of P₂O₅ and -68 lbs of K₂O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1534: This farm received 175.7 dry tons of product applied on approximately 210 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 62 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P₂O₅ and 74 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3%, the phosphorus ranges from a minimum of 27 and a max of 67 with an average of 44 ppm; the Very High range according to Iowa State University. Soil potassium averages 193 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -44 lbs of P₂O₅ and -74 lbs of K₂O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1536: This farm received 46.9 dry tons of product applied on approximately 73 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 56 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P₂O₅ and 67 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 65 and a max of 67 with an average of 66 ppm; the Very High range according to Iowa State University. Soil potassium averages 276 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -40 lbs of P₂O₅ and -67 lbs of K₂O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1537: This farm received 72.5 dry tons of product applied on approximately 101 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 59 Bushels per acre was harvested on the farm. Based on this yield, approximately 42 lbs. of P₂O₅ and 71 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.1%, the phosphorus ranges from a minimum of 29 and a max of 34 with an average of 32 ppm; the Very High range according to Iowa State University. Soil potassium averages 207 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -42 lbs of P₂O₅ and -71 lbs of K₂O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1539: This farm received 68.7 dry tons of product applied on approximately 74.59 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 64 Bushels per acre was harvested on the farm. Based on this yield, approximately 46 lbs. of P2O5 and 77 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.6%, the phosphorus ranges from a minimum of 60 and a max of 75 with an average of 68 ppm; the Very High range according to Iowa State University. Soil potassium averages 261 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -45 lbs of P2O5 and -77 lbs of K2O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1540: This farm received 68.5 dry tons of product applied on approximately 100 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 209 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P2O5 and 46 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 64 and a max of 70 with an average of 67 ppm; the Very High range according to Iowa State University. Soil potassium averages 232 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -66 lbs of P2O5 and -46 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1543: This farm received 32.6 dry tons of product applied on approximately 38.2 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P2O5 and 73 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 53 and a max of 59 with an average of 56 ppm; the Very High range according to Iowa State University. Soil potassium averages 242 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -43 lbs of P2O5 and -73 lbs of K2O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1546: This farm received 293.7 dry tons of product applied on approximately 324 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 63 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P2O5 and 76 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 11 and a max of 50 with an average of 26 ppm; the High range according to Iowa State University. Soil potassium averages 180 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -44 lbs of P2O5 and -76 lbs of K2O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1547: This farm received 82.6 dry tons of product applied on approximately 79 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 218 Bushels per acre was harvested on the farm. Based on this yield, approximately 70 lbs. of P2O5 and 48 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.2%, the phosphorus ranges from a minimum of 26 and a max of 27 with an average of 26 ppm; the High range according to Iowa State University. Soil potassium averages 184 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -69 lbs of P2O5 and -48 lbs of K2O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1549: This farm received 122.5 dry tons of product applied on approximately 135.24 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P2O5 and 78 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 49 and a max of 56 with an average of 51 ppm; the Very High range according to Iowa State University. Soil potassium averages 296 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P2O5 and -78 lbs of K2O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1550: This farm received 154.9 dry tons of product applied on approximately 234 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P2O5 and 66 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 42 and a max of 104 with an average of 65 ppm; the Very High range according to Iowa State University. Soil potassium averages 280 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P2O5 and -66 lbs of K2O are calculated on these acres. Average soil pH is 6.7 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1551: This farm received 260.3 dry tons of product applied on approximately 234 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 250 Bushels per acre was harvested on the farm. Based on this yield, approximately 80 lbs. of P2O5 and 55 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 47 and a max of 83 with an average of 63 ppm; the Very High range according to Iowa State University. Soil potassium averages 227 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -79 lbs of P2O5 and -55 lbs of K2O are calculated on these acres. Average soil pH is 6.1 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1552: This farm received 77.4 dry tons of product applied on approximately 75 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 210 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P2O5 and 46 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.1%, the phosphorus ranges from a minimum of 93 and a max of 106 with an average of 100 ppm; the Very High range according to Iowa State University. Soil potassium averages 262 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -66 lbs of P2O5 and -46 lbs of K2O are calculated on these acres. Average soil pH is 6.2 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1553: This farm received 60.2 dry tons of product applied on approximately 56 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 70 Bushels per acre was harvested on the farm. Based on this yield, approximately 50 lbs. of P2O5 and 84 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 81 and a max of 100 with an average of 91 ppm; the Very High range according to Iowa State University. Soil potassium averages 264 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -49 lbs of P2O5 and -84 lbs of K2O are calculated on these acres. Average soil pH is 5.6 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1554: This farm received 57.1 dry tons of product applied on approximately 60 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P2O5 and 78 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 123 and a max of 130 with an average of 127 ppm; the Very High range according to Iowa State University. Soil potassium averages 341 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P2O5 and -78 lbs of K2O are calculated on these acres. Average soil pH is 5.9 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1555: This farm received 82.1 dry tons of product applied on approximately 99 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 220 Bushels per acre was harvested on the farm. Based on this yield, approximately 70 lbs. of P2O5 and 48 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 36 and a max of 81 with an average of 59 ppm; the Very High range according to Iowa State University. Soil potassium averages 257 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -70 lbs of P2O5 and -48 lbs of K2O are calculated on these acres. Average soil pH is 5.9 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1556: This farm received 95.7 dry tons of product applied on approximately 118 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 240 Bushels per acre was harvested on the farm. Based on this yield, approximately 77 lbs. of P₂O₅ and 53 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 63 and a max of 67 with an average of 65 ppm; the Very High range according to Iowa State University. Soil potassium averages 269 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -76 lbs of P₂O₅ and -53 lbs of K₂O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1557: This farm received 53.4 dry tons of product applied on approximately 80 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P₂O₅ and 78 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.8%, the phosphorus ranges from a minimum of 61 and a max of 74 with an average of 68 ppm; the Very High range according to Iowa State University. Soil potassium averages 278 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P₂O₅ and -78 lbs of K₂O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1558: This farm received 95 dry tons of product applied on approximately 121 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 63 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P₂O₅ and 76 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 61 and a max of 80 with an average of 73 ppm; the Very High range according to Iowa State University. Soil potassium averages 291 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -45 lbs of P₂O₅ and -76 lbs of K₂O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.7 mhoms/dm and there are no concerns related to current measured salt levels.

1559: This farm received 266.2 dry tons of product applied on approximately 254 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 218 Bushels per acre was harvested on the farm. Based on this yield, approximately 70 lbs. of P₂O₅ and 48 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.6%, the phosphorus ranges from a minimum of 7 and a max of 40 with an average of 19 ppm; the Optimum range according to Iowa State University. Soil potassium averages 262 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -69 lbs of P₂O₅ and -48 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1560: This farm received 71.2 dry tons of product applied on approximately 102 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 285 Bushels per acre was harvested on the farm. Based on this yield, approximately 91 lbs. of P₂O₅ and 63 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 5%, the phosphorus ranges from a minimum of 103 and a max of 125 with an average of 114 ppm; the Very High range according to Iowa State University. Soil potassium averages 622 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -91 lbs of P₂O₅ and -63 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1561: This farm received 53.8 dry tons of product applied on approximately 83.93 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P₂O₅ and 73 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.2%, the phosphorus ranges from a minimum of 21 and a max of 38 with an average of 28 ppm; the High range according to Iowa State University. Soil potassium averages 230 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -43 lbs of P₂O₅ and -73 lbs of K₂O are calculated on these acres. Average soil pH is 6.6 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1563: This farm received 11.7 dry tons of product applied on approximately 15 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 57 Bushels per acre was harvested on the farm. Based on this yield, approximately 41 lbs. of P₂O₅ and 68 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.3%, the phosphorus ranges from a minimum of 44 and a max of 44 with an average of 44 ppm; the Very High range according to Iowa State University. Soil potassium averages 236 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -40 lbs of P₂O₅ and -68 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1565: This farm received 77.7 dry tons of product applied on approximately 84 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 209 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P₂O₅ and 46 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.2%, the phosphorus ranges from a minimum of 15 and a max of 38 with an average of 27 ppm; the High range according to Iowa State University. Soil potassium averages 155 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -66 lbs of P₂O₅ and -46 lbs of K₂O are calculated on these acres. Average soil pH is 6.8 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1566: This farm received 107.7 dry tons of product applied on approximately 120 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 274 Bushels per acre was harvested on the farm. Based on this yield, approximately 88 lbs. of P2O5 and 60 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.2%, the phosphorus ranges from a minimum of 13 and a max of 18 with an average of 16 ppm; the Optimum range according to Iowa State University. Soil potassium averages 115 ppm; the Very Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -87 lbs of P2O5 and -60 lbs of K2O are calculated on these acres. Average soil pH is 6.6 - Neutral and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1568: This farm received 110.1 dry tons of product applied on approximately 119 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 63 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P2O5 and 76 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.7%, the phosphorus ranges from a minimum of 12 and a max of 15 with an average of 13 ppm; the Low range according to Iowa State University. Soil potassium averages 117 ppm; the Very Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -44 lbs of P2O5 and -76 lbs of K2O are calculated on these acres. Average soil pH is 6.5 - Neutral and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1570: This farm received 430.8 dry tons of product applied on approximately 509 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P2O5 and 78 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 11 and a max of 19 with an average of 14 ppm; the Low range according to Iowa State University. Soil potassium averages 165 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P2O5 and -78 lbs of K2O are calculated on these acres. Average soil pH is 6.7 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1571: This farm received 132.3 dry tons of product applied on approximately 205 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 221 Bushels per acre was harvested on the farm. Based on this yield, approximately 71 lbs. of P2O5 and 49 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.1%, the phosphorus ranges from a minimum of 12 and a max of 63 with an average of 31 ppm; the Very High range according to Iowa State University. Soil potassium averages 251 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -70 lbs of P2O5 and -49 lbs of K2O are calculated on these acres. Average soil pH is 6.7 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1573: This farm received 145.7 dry tons of product applied on approximately 162 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 209 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P2O5 and 46 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.9%, the phosphorus ranges from a minimum of 247 and a max of 333 with an average of 287 ppm; the Very High range according to Iowa State University. Soil potassium averages 789 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -66 lbs of P2O5 and -46 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1574: This farm received 48.1 dry tons of product applied on approximately 66 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 79 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 5.3%, the phosphorus ranges from a minimum of 244 and a max of 255 with an average of 250 ppm; the Very High range according to Iowa State University. Soil potassium averages 592 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P2O5 and -79 lbs of K2O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1575: This farm received 120 dry tons of product applied on approximately 171.36 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P2O5 and 66 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3%, the phosphorus ranges from a minimum of 18 and a max of 46 with an average of 32 ppm; the Very High range according to Iowa State University. Soil potassium averages 166 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P2O5 and -66 lbs of K2O are calculated on these acres. Average soil pH is 7.6 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1576: This farm received 96 dry tons of product applied on approximately 116 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 235 Bushels per acre was harvested on the farm. Based on this yield, approximately 75 lbs. of P2O5 and 52 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 9 and a max of 113 with an average of 73 ppm; the Very High range according to Iowa State University. Soil potassium averages 263 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -74 lbs of P2O5 and -52 lbs of K2O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1577: This farm received 69 dry tons of product applied on approximately 76 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 245 Bushels per acre was harvested on the farm. Based on this yield, approximately 78 lbs. of P₂O₅ and 54 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.4%, the phosphorus ranges from a minimum of 103 and a max of 105 with an average of 104 ppm; the Very High range according to Iowa State University. Soil potassium averages 353 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -77 lbs of P₂O₅ and -54 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1578: This farm received 53.9 dry tons of product applied on approximately 70 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 241 Bushels per acre was harvested on the farm. Based on this yield, approximately 77 lbs. of P₂O₅ and 53 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 4 and a max of 7 with an average of 6 ppm; the Very Low range according to Iowa State University. Soil potassium averages 136 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -76 lbs of P₂O₅ and -53 lbs of K₂O are calculated on these acres. Average soil pH is 6 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1579: This farm received 65.7 dry tons of product applied on approximately 77 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 242 Bushels per acre was harvested on the farm. Based on this yield, approximately 77 lbs. of P₂O₅ and 53 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 4 and a max of 5 with an average of 5 ppm; the Very Low range according to Iowa State University. Soil potassium averages 139 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -77 lbs of P₂O₅ and -53 lbs of K₂O are calculated on these acres. Average soil pH is 6 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1580: This farm received 87.7 dry tons of product applied on approximately 125 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 263 Bushels per acre was harvested on the farm. Based on this yield, approximately 84 lbs. of P₂O₅ and 58 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3%, the phosphorus ranges from a minimum of 26 and a max of 38 with an average of 31 ppm; the Very High range according to Iowa State University. Soil potassium averages 163 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -83 lbs of P₂O₅ and -58 lbs of K₂O are calculated on these acres. Average soil pH is 7.6 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1581: This farm received 262.7 dry tons of product applied on approximately 292 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 67 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P₂O₅ and 80 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.2%, the phosphorus ranges from a minimum of 102 and a max of 130 with an average of 117 ppm; the Very High range according to Iowa State University. Soil potassium averages 340 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P₂O₅ and -80 lbs of K₂O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1582: This farm received 247.9 dry tons of product applied on approximately 255 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P₂O₅ and 66 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.7%, the phosphorus ranges from a minimum of 106 and a max of 123 with an average of 115 ppm; the Very High range according to Iowa State University. Soil potassium averages 584 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P₂O₅ and -66 lbs of K₂O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1583: This farm received 40.8 dry tons of product applied on approximately 58.83 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 295 Bushels per acre was harvested on the farm. Based on this yield, approximately 94 lbs. of P₂O₅ and 65 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 31 and a max of 61 with an average of 45 ppm; the Very High range according to Iowa State University. Soil potassium averages 295 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -94 lbs of P₂O₅ and -65 lbs of K₂O are calculated on these acres. Average soil pH is 5.9 - Very Acidic and should be treated with agricultural lime to raise the pH to 6.5. Reported salt (EC) levels are 1 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

1584: This farm received 107.5 dry tons of product applied on approximately 105 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 291 Bushels per acre was harvested on the farm. Based on this yield, approximately 93 lbs. of P₂O₅ and 64 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.4%, the phosphorus ranges from a minimum of 6 and a max of 21 with an average of 12 ppm; the Low range according to Iowa State University. Soil potassium averages 228 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -92 lbs of P₂O₅ and -64 lbs of K₂O are calculated on these acres. Average soil pH is 6.4 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1586: This farm received 65.6 dry tons of product applied on approximately 80 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 282 Bushels per acre was harvested on the farm. Based on this yield, approximately 90 lbs. of P2O5 and 62 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.2%, the phosphorus ranges from a minimum of 16 and a max of 16 with an average of 16 ppm; the Optimum range according to Iowa State University. Soil potassium averages 364 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -89 lbs of P2O5 and -62 lbs of K2O are calculated on these acres. Average soil pH is 6.6 - Neutral and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1588: This farm received 101 dry tons of product applied on approximately 137 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 293 Bushels per acre was harvested on the farm. Based on this yield, approximately 94 lbs. of P2O5 and 64 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.3%, the phosphorus ranges from a minimum of 14 and a max of 21 with an average of 19 ppm; the Optimum range according to Iowa State University. Soil potassium averages 180 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -93 lbs of P2O5 and -64 lbs of K2O are calculated on these acres. Average soil pH is 6.9 - Neutral and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1590: This farm received 59 dry tons of product applied on approximately 80 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 67 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 80 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.2%, the phosphorus ranges from a minimum of 9 and a max of 12 with an average of 11 ppm; the Low range according to Iowa State University. Soil potassium averages 155 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -48 lbs of P2O5 and -80 lbs of K2O are calculated on these acres. Average soil pH is 6.6 - Neutral and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1700: This farm received 56.3 dry tons of product applied on approximately 82 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P2O5 and 66 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 30 and a max of 39 with an average of 35 ppm; the Very High range according to Iowa State University. Soil potassium averages 180 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P2O5 and -66 lbs of K2O are calculated on these acres. Average soil pH is 7.1 - Neutral and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1702: This farm received 57.9 dry tons of product applied on approximately 90 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P2O5 and 78 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.3%, the phosphorus ranges from a minimum of 3 and a max of 9 with an average of 5 ppm; the Very Low range according to Iowa State University. Soil potassium averages 113 ppm; the Very Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P2O5 and -78 lbs of K2O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1704: This farm received 123.8 dry tons of product applied on approximately 149 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 221 Bushels per acre was harvested on the farm. Based on this yield, approximately 71 lbs. of P2O5 and 49 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 11 and a max of 41 with an average of 28 ppm; the High range according to Iowa State University. Soil potassium averages 165 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -70 lbs of P2O5 and -49 lbs of K2O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1709: This farm received 129.2 dry tons of product applied on approximately 146.18 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 209 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P2O5 and 46 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 6 and a max of 16 with an average of 12 ppm; the Low range according to Iowa State University. Soil potassium averages 138 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -66 lbs of P2O5 and -46 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1710: This farm received 57.4 dry tons of product applied on approximately 79 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 79 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.9%, the phosphorus ranges from a minimum of 38 and a max of 48 with an average of 43 ppm; the Very High range according to Iowa State University. Soil potassium averages 194 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P2O5 and -79 lbs of K2O are calculated on these acres. Average soil pH is 7.6 - Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1711: This farm received 31.5 dry tons of product applied on approximately 39 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 221 Bushels per acre was harvested on the farm. Based on this yield, approximately 71 lbs. of P₂O₅ and 49 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.3%, the phosphorus ranges from a minimum of 40 and a max of 45 with an average of 43 ppm; the Very High range according to Iowa State University. Soil potassium averages 182 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -70 lbs of P₂O₅ and -49 lbs of K₂O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1712: This farm received 49.3 dry tons of product applied on approximately 57 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 209 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P₂O₅ and 46 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.2%, the phosphorus ranges from a minimum of 43 and a max of 44 with an average of 44 ppm; the Very High range according to Iowa State University. Soil potassium averages 191 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -66 lbs of P₂O₅ and -46 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.5 mhoms/dm and there are no concerns related to current measured salt levels.

1715: This farm received 50 dry tons of product applied on approximately 72 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P₂O₅ and 79 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3%, the phosphorus ranges from a minimum of 5 and a max of 9 with an average of 8 ppm; the Very Low range according to Iowa State University. Soil potassium averages 152 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P₂O₅ and -79 lbs of K₂O are calculated on these acres. Average soil pH is 6.6 - Neutral and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1722: This farm received 59.4 dry tons of product applied on approximately 77 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 209 Bushels per acre was harvested on the farm. Based on this yield, approximately 67 lbs. of P₂O₅ and 46 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.3%, the phosphorus ranges from a minimum of 27 and a max of 32 with an average of 30 ppm; the High range according to Iowa State University. Soil potassium averages 320 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -66 lbs of P₂O₅ and -46 lbs of K₂O are calculated on these acres. Average soil pH is 6.4 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 1.7 mhoms/dm and additional soil tests should be taken to confirm levels, and applications discontinued until levels decrease.

1723: This farm received 173.9 dry tons of product applied on approximately 152 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P₂O₅ and 79 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4%, the phosphorus ranges from a minimum of 7 and a max of 13 with an average of 9 ppm; the Low range according to Iowa State University. Soil potassium averages 140 ppm; the Low range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P₂O₅ and -79 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1727: This farm received 385.9 dry tons of product applied on approximately 374 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P₂O₅ and 66 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 3.6%, the phosphorus ranges from a minimum of 30 and a max of 120 with an average of 59 ppm; the Very High range according to Iowa State University. Soil potassium averages 201 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P₂O₅ and -66 lbs of K₂O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1732: This farm received 52.1 dry tons of product applied on approximately 70 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P₂O₅ and 66 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.4%, the phosphorus ranges from a minimum of 18 and a max of 29 with an average of 24 ppm; the High range according to Iowa State University. Soil potassium averages 347 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P₂O₅ and -66 lbs of K₂O are calculated on these acres. Average soil pH is 6.5 - Neutral and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1734: This farm received 78.3 dry tons of product applied on approximately 101 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 235 Bushels per acre was harvested on the farm. Based on this yield, approximately 75 lbs. of P₂O₅ and 52 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 4.8%, the phosphorus ranges from a minimum of 117 and a max of 124 with an average of 121 ppm; the Very High range according to Iowa State University. Soil potassium averages 579 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -74 lbs of P₂O₅ and -52 lbs of K₂O are calculated on these acres. Average soil pH is 7.4 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.6 mhoms/dm and there are no concerns related to current measured salt levels.

1735: This farm received 51.4 dry tons of product applied on approximately 73.4 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 285 Bushels per acre was harvested on the farm. Based on this yield, approximately 91 lbs. of P2O5 and 63 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 115 and a max of 119 with an average of 117 ppm; the Very High range according to Iowa State University. Soil potassium averages 230 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -90 lbs of P2O5 and -63 lbs of K2O are calculated on these acres. Average soil pH is 6.8 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1736: This farm received 135.6 dry tons of product applied on approximately 159 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 61 Bushels per acre was harvested on the farm. Based on this yield, approximately 44 lbs. of P2O5 and 73 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 29 and a max of 45 with an average of 38 ppm; the Very High range according to Iowa State University. Soil potassium averages 172 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -43 lbs of P2O5 and -73 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1737: This farm received 33.2 dry tons of product applied on approximately 44.78 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 57 Bushels per acre was harvested on the farm. Based on this yield, approximately 41 lbs. of P2O5 and 68 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.8%, the phosphorus ranges from a minimum of 57 and a max of 57 with an average of 57 ppm; the Very High range according to Iowa State University. Soil potassium averages 354 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -40 lbs of P2O5 and -68 lbs of K2O are calculated on these acres. Average soil pH is 6.8 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1739: This farm received 136.8 dry tons of product applied on approximately 214 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 60 Bushels per acre was harvested on the farm. Based on this yield, approximately 43 lbs. of P2O5 and 72 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.7%, the phosphorus ranges from a minimum of 49 and a max of 125 with an average of 80 ppm; the Very High range according to Iowa State University. Soil potassium averages 182 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -43 lbs of P2O5 and -72 lbs of K2O are calculated on these acres. Average soil pH is 6.8 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1740: This farm received 45 dry tons of product applied on approximately 66 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 274 Bushels per acre was harvested on the farm. Based on this yield, approximately 88 lbs. of P2O5 and 60 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.5%, the phosphorus ranges from a minimum of 39 and a max of 47 with an average of 43 ppm; the Very High range according to Iowa State University. Soil potassium averages 196 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -87 lbs of P2O5 and -60 lbs of K2O are calculated on these acres. Average soil pH is 6.3 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1741: This farm received 134.8 dry tons of product applied on approximately 155 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 63 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P2O5 and 76 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.9%, the phosphorus ranges from a minimum of 42 and a max of 53 with an average of 47 ppm; the Very High range according to Iowa State University. Soil potassium averages 239 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -44 lbs of P2O5 and -76 lbs of K2O are calculated on these acres. Average soil pH is 6.7 - Neutral and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1742: This farm received 175.8 dry tons of product applied on approximately 162 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P2O5 and 78 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 5.3%, the phosphorus ranges from a minimum of 33 and a max of 80 with an average of 44 ppm; the Very High range according to Iowa State University. Soil potassium averages 282 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P2O5 and -78 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.7 mhoms/dm and there are no concerns related to current measured salt levels.

1744: This farm received 70.4 dry tons of product applied on approximately 79 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 57 Bushels per acre was harvested on the farm. Based on this yield, approximately 41 lbs. of P2O5 and 68 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.3%, the phosphorus ranges from a minimum of 31 and a max of 52 with an average of 44 ppm; the Very High range according to Iowa State University. Soil potassium averages 201 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -40 lbs of P2O5 and -68 lbs of K2O are calculated on these acres. Average soil pH is 7 - Neutral and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1745: This farm received 49.6 dry tons of product applied on approximately 72 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 247 Bushels per acre was harvested on the farm. Based on this yield, approximately 79 lbs. of P2O5 and 54 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 5.3%, the phosphorus ranges from a minimum of 42 and a max of 67 with an average of 55 ppm; the Very High range according to Iowa State University. Soil potassium averages 414 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -78 lbs of P2O5 and -54 lbs of K2O are calculated on these acres. Average soil pH is 6.3 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 1.6 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

1746: This farm received 53.7 dry tons of product applied on approximately 79 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 63 Bushels per acre was harvested on the farm. Based on this yield, approximately 45 lbs. of P2O5 and 76 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 4.5%, the phosphorus ranges from a minimum of 32 and a max of 46 with an average of 39 ppm; the Very High range according to Iowa State University. Soil potassium averages 359 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -45 lbs of P2O5 and -76 lbs of K2O are calculated on these acres. Average soil pH is 6.4 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 1.5 mhoms/dm and applications should be monitored to prevent buildup of salts in soils.

1748: This farm received 73.6 dry tons of product applied on approximately 114 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 55 Bushels per acre was harvested on the farm. Based on this yield, approximately 40 lbs. of P2O5 and 66 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.6%, the phosphorus ranges from a minimum of 70 and a max of 99 with an average of 89 ppm; the Very High range according to Iowa State University. Soil potassium averages 250 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -39 lbs of P2O5 and -66 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1749: This farm received 42.5 dry tons of product applied on approximately 52 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 272 Bushels per acre was harvested on the farm. Based on this yield, approximately 87 lbs. of P2O5 and 60 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.5%, the phosphorus ranges from a minimum of 79 and a max of 80 with an average of 80 ppm; the Very High range according to Iowa State University. Soil potassium averages 211 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -86 lbs of P2O5 and -60 lbs of K2O are calculated on these acres. Average soil pH is 7.2 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1751: This farm received 71.9 dry tons of product applied on approximately 80 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 281 Bushels per acre was harvested on the farm. Based on this yield, approximately 90 lbs. of P2O5 and 62 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.7%, the phosphorus ranges from a minimum of 76 and a max of 92 with an average of 84 ppm; the Very High range according to Iowa State University. Soil potassium averages 230 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -89 lbs of P2O5 and -62 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1756: This farm received 84.3 dry tons of product applied on approximately 77 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 252 Bushels per acre was harvested on the farm. Based on this yield, approximately 81 lbs. of P2O5 and 55 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.4%, the phosphorus ranges from a minimum of 24 and a max of 30 with an average of 27 ppm; the High range according to Iowa State University. Soil potassium averages 226 ppm; the High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -80 lbs of P2O5 and -55 lbs of K2O are calculated on these acres. Average soil pH is 6.4 - Slightly Acidic and should be monitored to maintain soil pH near 6.5. Reported salt (EC) levels are 0.2 mhoms/dm and there are no concerns related to current measured salt levels.

1757: This farm received 98.8 dry tons of product applied on approximately 120 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Corn yield of 233 Bushels per acre was harvested on the farm. Based on this yield, approximately 75 lbs. of P2O5 and 51 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 3.6%, the phosphorus ranges from a minimum of 52 and a max of 61 with an average of 55 ppm; the Very High range according to Iowa State University. Soil potassium averages 290 ppm; the Very High range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -74 lbs of P2O5 and -51 lbs of K2O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.3 mhoms/dm and there are no concerns related to current measured salt levels.

1758: This farm received 80.9 dry tons of product applied on approximately 94.78 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 66 Bushels per acre was harvested on the farm. Based on this yield, approximately 48 lbs. of P2O5 and 79 lbs. of K2O were removed. Soil test results show that the organic matter levels are approximately 2.5%, the phosphorus ranges from a minimum of 9 and a max of 16 with an average of 13 ppm; the Low range according to Iowa State University. Soil potassium averages 182 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -47 lbs of P2O5 and -79 lbs of K2O are calculated on these acres. Average soil pH is 7.3 - Slightly Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

1759: This farm received 107.1 dry tons of product applied on approximately 149 acres in the 2nd Quarter of the 2024-2025 crop year. A single by-product source was applied to the acres. A reported Soybeans yield of 65 Bushels per acre was harvested on the farm. Based on this yield, approximately 47 lbs. of P₂O₅ and 78 lbs. of K₂O were removed. Soil test results show that the organic matter levels are approximately 2.7%, the phosphorus ranges from a minimum of 13 and a max of 16 with an average of 15 ppm; the Low range according to Iowa State University. Soil potassium averages 184 ppm; the Optimum range according to Iowa State University. Based on the cumulative application rate and reported crop yields, a net of -46 lbs of P₂O₅ and -78 lbs of K₂O are calculated on these acres. Average soil pH is 7.5 - Alkaline and no action is needed. Reported salt (EC) levels are 0.4 mhoms/dm and there are no concerns related to current measured salt levels.

Soil phosphorus and applied nitrogen are the primary nutrients of concern to water quality and public health. The applied nitrogen and phosphorus from the by-products (negligible), in conjunction with the reported soil phosphorus levels and crop removal rates, do not pose a significant risk to environmental quality or public health. Continued monitoring of soil test levels is recommended. Applied rates of Sodium should be monitored to ensure that sodicity of soils is not increased. If necessary, added calcium (gypsum) can be used to ensure a proper ratio of calcium, magnesium and sodium is preserved to protect soil health, structure and water infiltration. Given the nature of the dominant by-product, this is not expected to be an issue. The reported rates are not likely to negatively impact soil SAR. Best management practices in nutrient management and land application should always be followed.

Regards,



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