

## APPENDIX C - FERTILIZER CODES.

| <b>CODE NAME</b>                         | <b>N</b> | <b>P</b> | <b>K</b> | <b>RANGE</b>          | <b>FORM</b> |
|------------------------------------------|----------|----------|----------|-----------------------|-------------|
| <b>0 IDENTIFIED BY GRADE<sup>1</sup></b> | 0        | 0.0      | 0.0      |                       | Dry, Liquid |
| <b><u>NITROGEN PRODUCTS:</u></b>         |          |          |          |                       |             |
| 2 ANHYDROUS AMMONIA                      | 82       | 0.0      | 0.0      | 80-83% N              | Liquid      |
| 6 AQUA AMMONIA                           | 20.5     | 0.0      | 0.0      | 10-30% N              | Liquid      |
| 10 AMMONIUM NITRATE                      | 34       | 0.0      | 0.0      | 33-34% N              | Dry         |
| 12 AMMONIUM NITRATE SOLUTION             | 20       | 0.0      | 0.0      | 18-20% N              | Liquid      |
| 13 AMMONIUM NITRATE-LIMESTONE MIXTURES   | 20.5     | 0.0      | 0.0      | 17-26% N              | Dry         |
| 16 AMMONIUM NITRATE-SULFATE              | 30       | 0.0      | 0.0      | 26-30% N              | Dry         |
| 20 AMMONIUM POLYSULFIDE                  | 20       | 0.0      | 0.0      | 18-23% N              | Liquid      |
| 24 AMMONIUM SULFATE                      | 21       | 0.0      | 0.0      | 20-21% N              | Dry         |
| 25 AMMONIUM SULFATE SOLUTION             | 6        | 0.0      | 0.0      |                       | Liquid      |
| 27 AMMONIUM SULFATE-NITRATE              | 26       | 0.0      | 0.0      |                       | Dry, Liquid |
| 29 AMMONIUM SULFATE-UREA                 | 33.5     | 0.0      | 0.0      | 33-34% N              | Dry         |
| 31 AMMONIUM THIOSULFATE                  | 12       | 0.0      | 0.0      |                       | Liquid      |
| 35 CALCIUM AMMONIUM NITRATE              | 17       | 0.0      | 0.0      | 17-20.5% N            | Dry, Liquid |
| 38 CALCIUM CYANAMIDE                     | 20.5     | 0.0      | 0.0      |                       | Dry, Liquid |
| 43 CALCIUM NITRATE                       | 15.5     | 0.0      | 0.0      | 15-15.5% N            | Dry, Liquid |
| 46 CALCIUM NITRATE-UREA                  | 33.8     | 0.0      | 0.0      | 30-35% N              | Dry         |
| 50 FERROUS AMMONIUM SULFATE              | 7        | 0.0      | 0.0      | 14% FE, 16% S         | Dry         |
| 52 MAGNESIUM NITRATE                     | 7.1      |          |          | 6.6% MG               | Liquid      |
| 54 NITRIC ACID                           | 15       | 0.0      | 0.0      |                       | Liquid      |
| 56 NITROGEN SOLUTION <28%                | 0        | 0.0      | 0.0      | <28% N                | Liquid      |
| 58 NITROGEN SOLUTION 28%                 | 28       | 0.0      | 0.0      | 28-29.9% N            | Liquid      |
| 59 NITROGEN SOLUTION 30%                 | 30       | 0.0      | 0.0      | 30-31.9% N            | Liquid      |
| 60 NITROGEN SOLUTION 32%                 | 32       | 0.0      | 0.0      | 32-32.9% N            | Liquid      |
| 61 NITROGEN SOLUTION >32%                | 0        | 0.0      | 0.0      | >32% N                | Liquid      |
| 62 SODIUM NITRATE                        | 16       | 0.0      | 0.0      |                       | Dry         |
| 64 SULFUR COATED UREA                    | 36       | 0.0      | 0.0      | 36-38%N               | Dry         |
| 66 UREA                                  | 46       | 0.0      | 0.0      | 45-46% N              | Dry         |
| 67 UREA SOLUTION                         | 20       | 0.0      | 0.0      |                       | Liquid      |
| 68 UREA-FORMALDEHYDE                     | 38       | 0.0      | 0.0      | 35-40% N              | Dry         |
| 73 ZINC AMMONIUM SULFATE SOLUTION        | 10       | 0.0      | 0.0      | 10-15% N, 10% Z, 5% S | Liquid      |
| 77 ZINC MANGANESE AMMONIUM SULFATE       | 9        | 0.0      | 0.0      |                       | Liquid, Dry |

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| <b>CODE</b>                | <b>NAME</b>                            | <b>N</b> | <b>P</b> | <b>K</b> | <b>RANGE</b>                                      | <b>FORM</b> |
|----------------------------|----------------------------------------|----------|----------|----------|---------------------------------------------------|-------------|
| 97                         | NITROGEN PRODUCT - CODE UNKNOWN        | 0        | 0.0      | 0.0      | 2-44% N                                           | Dry, Liquid |
| 98                         | NITROGEN PRODUCT - CODE/GRADE UNKNOWN  | 0        | 0.0      | 0.0      | 2-44% N                                           | Dry, Liquid |
| <b>PHOSPHATE PRODUCTS:</b> |                                        |          |          |          |                                                   |             |
| 201                        | AMMONIUM METAPHOSPHATE                 | 12       | 51.0     | 0.0      |                                                   | Dry         |
| 202                        | AMMONIUM PHOSPHATE                     | 11       | 48.0     | 0.0      |                                                   | Dry         |
| 203                        | DIAMMONIUM PHOSPHATE                   | 18       | 46.0     | 0.0      | 18-21% N,<br>46-54% P <sub>2</sub> O <sub>5</sub> | Dry         |
| 204                        | AMMONIUM POLYPHOSPHATE                 | 15       | 60.0     | 0.0      |                                                   | Dry, Liquid |
| 205                        | BASIC LIME PHOSPHATE                   | 0        | 0.0      | 0.0      | 5-37% P <sub>2</sub> O <sub>5</sub>               | Dry         |
| 206                        | AMMONIUM PHOSPHATE NITRATE             | 27       | 14.0     | 0.0      |                                                   | Dry         |
| 207                        | AMMONIUM PHOSPHATE SULFATE             | 16       | 20.0     | 0.0      |                                                   | Dry, Liquid |
| 208                        | BASIC SLAG                             | 0        | 9.0      | 0.0      | 8-10% P <sub>2</sub> O <sub>5</sub>               | Dry         |
| 209                        | MONOAMMONIUM PHOSPHATE                 | 11       | 52.0     | 0.0      |                                                   | Dry         |
| 212                        | BONE BLACK, SPENT                      | 1        | 33.0     | 0.0      |                                                   | Dry         |
| 214                        | BONE MEAL, RAW                         | 3.9      | 22.0     | 0.0      |                                                   | Dry         |
| 216                        | BONE MEAL, STEAMED                     | 2.2      | 27.0     | 0.0      |                                                   | Dry         |
| 218                        | BONE, PRECIPITATED                     | 0        | 35.0     | 0.0      | 28-45% P <sub>2</sub> O <sub>5</sub>              | Dry         |
| 223                        | CALCIUM METAPHOSPHATE                  | 0        | 60.0     | 0.0      | 60-62% P <sub>2</sub> O <sub>5</sub>              | Dry         |
| 228                        | COLLOIDAL PHOSPHATE (SOFT PHOSPHATE)   | 0        | 2.0      | 0.0      | 2-8% P <sub>2</sub> O <sub>5</sub>                | Dry         |
| 233                        | LIMESTONE, PHOSPHATIC                  | 0        | 13.0     | 0.0      | 13-14% P <sub>2</sub> O <sub>5</sub>              | Dry         |
| 238                        | MAGNESIUM PHOSPHATE                    | 0        | 18.0     | 0.0      | 17-18% P <sub>2</sub> O <sub>5</sub>              | Dry         |
| 241                        | NITRIC PHOSPHATE                       | 0        | 0.0      | 0.0      | 14-22% N,<br>10-22% P <sub>2</sub> O <sub>5</sub> | Dry         |
| 243                        | PHOSPHATE ROCK                         | 0        | 3.0      | 0.0      | 2-4% P <sub>2</sub> O <sub>5</sub>                | Dry         |
| 248                        | PHOSPHORIC ACID                        | 0        | 54.0     | 0.0      | 2-75% P <sub>2</sub> O <sub>5</sub>               | Liquid      |
| 249                        | LIQUID AMMONIUM POLYPHOSPHATE          | 10       | 34.0     | 0.0      | 5-12% N,<br>17-37% P <sub>2</sub> O <sub>5</sub>  | Liquid      |
| 253                        | PRECIPITATED PHOSPHATE                 | 0        | 35.0     | 0.0      | 24-45% P <sub>2</sub> O <sub>5</sub>              | Dry         |
| 263                        | SUPERPHOSPHATE, NORMAL                 | 0        | 22.0     | 0.0      | 18-22% P <sub>2</sub> O <sub>5</sub>              | Dry         |
| 265                        | SUPERPHOSPHATE, ENRICHED               | 0        | 23.0     | 0.0      | 23-39% P <sub>2</sub> O <sub>5</sub>              | Dry         |
| 267                        | SUPERPHOSPHATE, TRIPLE                 | 0        | 46.0     | 0.0      | 40-54% P <sub>2</sub> O <sub>5</sub>              | Dry         |
| 273                        | SUPERPHOSPHORIC ACID                   | 0        | 68.0     | 0.0      | 68-75% P <sub>2</sub> O <sub>5</sub>              | Liquid      |
| 297                        | PHOSPHATE PRODUCT - CODE UNKNOWN       | 0        | 0.0      | 0.0      | 1-75% P <sub>2</sub> O <sub>5</sub>               | Dry, Liquid |
| 298                        | PHOSPHATE PRODUCT - CODE/GRADE UNKNOWN | 0        | 0.0      | 0.0      | 1-75% P <sub>2</sub> O <sub>5</sub>               | Dry, Liquid |
| <b>POTASH PRODUCTS:</b>    |                                        |          |          |          |                                                   |             |
| 408                        | LIME-POTASH MIXTURES                   | 0        | 0.0      | 10.0     | 5-10% K <sub>2</sub> O                            | Dry         |
| 413                        | MANURE SALTS                           | 0        | 0.0      | 20.0     | 20-30% K <sub>2</sub> O                           | Dry         |

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|--------------------------------------------|----------|----------|----------|------------------------------------------------------|-------------|
| 415 POTASH SUSPENSIONS                     | 0        | 0.0      | 0.0      |                                                      | Liquid      |
| 423 POTASSIUM CARBONATE                    | 0        | 0.0      | 64.0     | 52-69% K <sub>2</sub> O                              | Dry, Liquid |
| 428 MURIATE OF POTASH 60% (POT. CHLORIDE)  | 0        | 0.0      | 60.0     | 59-61% K <sub>2</sub> O                              | Dry         |
| 430 MURIATE OF POTASH 62%                  | 0        | 0.0      | 62.0     |                                                      | Dry         |
| 443 POTASSIUM-MAGNESIUM SULFATE            | 0        | 0.0      | 22.0     | 21-28% K <sub>2</sub> O                              | Dry         |
| 448 POTASSIUM-METAPHOSPHATE                | 0        | 55.0     | 37.0     |                                                      | Dry         |
| 453 POTASSIUM NITRATE                      | 14       | 0.0      | 44.0     | 12-14% N,<br>44-46% K <sub>2</sub> O                 | Dry         |
| 458 POTASSIUM-SODIUM NITRATE               | 15       | 0.0      | 14.0     |                                                      | Dry, Liquid |
| 463 POTASSIUM SULFATE                      | 0        | 0.0      | 50.0     | 48-52% K <sub>2</sub> O                              | Dry         |
| 478 TOBACCO STEMS                          | 2        | 0.0      | 6.0      |                                                      | Dry         |
| 497 POTASH PRODUCT - CODE UNKNOWN          | 0        | 0.0      | 0.0      | 0-47% K <sub>2</sub> O                               | Dry, Liquid |
| 498 POTASH PRODUCT - CODE/GRADE UNKNOWN    | 0        | 0.0      | 0.0      | 0-47% K <sub>2</sub> O                               | Dry, Liquid |
| <b><u>NATURAL ORGANIC PRODUCTS:</u></b>    |          |          |          |                                                      |             |
| 601 BLOOD, DRIED                           | 12       | 0.0      | 0.0      |                                                      | Dry         |
| 604 CASTOR POMACE                          | 5        | 1.0      | 1.0      |                                                      | Dry         |
| 607 COCOA SHELL MEAL                       | 2.5      | 1.0      | 2.0      |                                                      | Dry         |
| 610 COCOA TANKAGE                          | 4        | 1.5      | 2.0      |                                                      | Dry         |
| 613 COMPOST                                | 2        | 2.0      | 1.0      |                                                      | Dry         |
| 615 COTTONSEED MEAL                        | 6.4      | 2.0      | 1.0      |                                                      | Dry         |
| 617 FISH SCRAP                             | 6        | 6.0      | 6.0      |                                                      | Dry         |
| 629 GUANO                                  | 12       | 11.0     | 2.0      |                                                      | Dry         |
| 649 MANURE                                 | 0.5      | 0.5      | 0.5      |                                                      | Dry         |
| 652 PEAT                                   | 1.9      | 0.2      | 0.2      |                                                      | Dry         |
| 661 SEWAGE SLUDGE, ACTIVATED               | 6        | 2.0      | 2.0      |                                                      | Dry, Liquid |
| 663 SEWAGE SLUDGE, DIGESTED                | 10       | 2.0      | 0.0      |                                                      | Dry         |
| 665 SEWAGE SLUDGE, HEAT DRIED              | 6        | 2.0      | 2.0      | 3-7% N, 1-7%<br>P <sub>2</sub> O <sub>5</sub> , 1-2% | Dry         |
| 667 SEWAGE SLUDGE, OTHER                   | 6        | 2.0      | 1.0      |                                                      | Dry, Liquid |
| 671 SOYBEAN MEAL                           | 6        | 1.0      | 2.0      |                                                      | Dry         |
| 673 TANKAGE, ANIMAL                        | 8.1      | 5.3      | 5.9      |                                                      | Dry         |
| 675 TANKAGE, PROCESS                       | 7.8      | 0.0      | 0.0      |                                                      | Dry         |
| 681 LINSEED MEAL                           | 5.6      | 2.0      | 1.0      |                                                      | Dry         |
| 685 TUNG PUMACE                            | 8        | 2.0      | 2.0      |                                                      | Dry         |
| 697 NATURAL ORGANIC PRODUCT - CODE UNKNOWN | 0        | 0.0      | 0.0      |                                                      | Dry         |

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---

| <b>CODE</b>                                         | <b>NAME</b>                              | <b>N</b> | <b>P</b> | <b>K</b> | <b>RANGE</b> | <b>FORM</b> |
|-----------------------------------------------------|------------------------------------------|----------|----------|----------|--------------|-------------|
| 698                                                 | NAT ORGANIC PRODUCT - CODE/GRADE UNKNOWN | 0        | 0.0      | 0.0      |              | Dry         |
| <b><u>SECONDARY AND MICRONUTRIENT PRODUCTS:</u></b> |                                          |          |          |          |              |             |
| 702                                                 | ALUMINUM SULFATE                         | 0        | 0.0      | 0.0      |              | Dry         |
| 706                                                 | BORAX                                    | 0        | 0.0      | 0.0      |              | Dry         |
| 710                                                 | BRUCITE (MAGNESIUM HYDROXIDE)            | 0        | 0.0      | 0.0      |              | Dry         |
| 714                                                 | COBALT SULFATE                           | 0        | 0.0      | 0.0      |              | Dry         |
| 716                                                 | COPPER OXIDE, BLACK                      | 0        | 0.0      | 0.0      |              | Dry         |
| 717                                                 | COPPER OXIDE, RED                        | 0        | 0.0      | 0.0      |              | Dry         |
| 720                                                 | COPPER SULFATE                           | 0        | 0.0      | 0.0      |              | Dry, Liquid |
| 722                                                 | COPPER CHELATE                           | 0        | 0.0      | 0.0      |              | Liquid, Dry |
| 723                                                 | COPPER COMPOUND                          |          |          |          |              | Liquid, Dry |
| 724                                                 | FERRIC OXIDE                             | 0        | 0.0      | 0.0      |              | Dry         |
| 726                                                 | FERRIC SULFATE                           | 0        | 0.0      | 0.0      |              | Dry         |
| 728                                                 | FERROUS SULFATE                          | 0        | 0.0      | 0.0      |              | Dry         |
| 730                                                 | IRON CHELATE                             | 0        | 0.0      | 0.0      |              | Dry, Liquid |
| 731                                                 | IRON COMPOUND                            |          |          | 0.0      |              | Dry, Liquid |
| 732                                                 | GYPSUM (CALCIUM SULFATE)                 | 0        | 0.0      | 0.0      |              | Dry         |
| 733                                                 | CALCIUM CHELATE                          | 0        | 0.0      | 0.0      |              | Dry, Liquid |
| 734                                                 | CALCIUM SULFATE (HYDROUS)                | 0        | 0.0      | 0.0      |              | Liquid, Dry |
| 736                                                 | LIME SULFUR SOLUTION                     | 0        | 0.0      | 0.0      |              | Liquid      |
| 742                                                 | MAGNESIA (MAGNESIUM OXIDE)               | 0        | 0.0      | 0.0      |              | Dry         |
| 744                                                 | EPSOM SALT (MAGNESIUM SULFATE)           | 0        | 0.0      | 0.0      |              | Dry         |
| 745                                                 | MAGNESIUM CHELATE                        |          |          |          |              | Dry, Liquid |
| 748                                                 | MANGANESE AGSTONE                        | 0        | 0.0      | 0.0      |              | Dry         |
| 749                                                 | MANGANESE CHELATE                        | 0        | 0.0      | 0.0      |              | Dry, Liquid |
| 750                                                 | MANGANESE OXIDE                          | 0        | 0.0      | 0.0      |              | Dry         |
| 752                                                 | MANGANESE SLAG                           | 0        | 0.0      | 0.0      |              | Dry         |
| 754                                                 | MANGANESE SULFATE                        | 0        | 0.0      | 0.0      |              | Dry         |
| 758                                                 | MANGANOUS OXIDE                          | 0        | 0.0      | 0.0      |              | Dry         |
| 762                                                 | SODIUM MOLYBDATE                         | 0        | 0.0      | 0.0      |              | Dry         |
| 764                                                 | SOIL AMENDMENT                           |          |          |          |              | Dry, Liquid |
| 765                                                 | SOIL ADDITIVE                            |          |          |          |              | Dry, Liquid |
| 766                                                 | SOIL CONDITIONER                         | 0        | 0.0      | 0.0      |              | Dry, Liquid |

## APPENDIX C - FERTILIZER CODES. (Cont.)

| CODE NAME                               | N | P   | K   | RANGE | FORM        |
|-----------------------------------------|---|-----|-----|-------|-------------|
| 767 POTTING SOIL                        |   |     |     |       | Dry         |
| 770 SULFUR                              | 0 | 0.0 | 0.0 |       | Dry, Liquid |
| 773 CALCIUM CHLORIDE                    | 0 | 0.0 | 0.0 |       | Dry, Liquid |
| 774 SULFURIC ACID                       | 0 | 0.0 | 0.0 |       | Liquid      |
| 778 ZINC OXIDE                          | 0 | 0.0 | 0.0 |       | Dry         |
| 780 ZINC OXYSULFATE                     | 0 | 0.0 | 0.0 |       | Dry         |
| 782 ZINC SULFATE                        | 0 | 0.0 | 0.0 |       | Dry         |
| 783 ZINC SULFATE SOLUTION               | 0 | 0.0 | 0.0 |       | Liquid      |
| 784 ZINC CHELATE                        | 0 | 0.0 | 0.0 |       | Dry, Liquid |
| 797 SEC./MICRONUT. - CODE UNKNOWN       | 0 | 0.0 | 0.0 |       | Dry, Liquid |
| 798 SEC./MICRONUT. - CODE/GRADE UNKNOWN | 0 | 0.0 | 0.0 |       | Dry, Liquid |

Dry, Liquid

### UNIDENTIFIED PRODUCTS<sup>2</sup>:

|                                             |   |     |     |  |             |
|---------------------------------------------|---|-----|-----|--|-------------|
| 978 FERTILIZER PRODUCT - CODE/GRADE UNKNOWN | 0 | 0.0 | 0.0 |  | Dry, Liquid |
| 988 SINGLE NUTRIENT - CODE/GRADE UNKNOWN    | 0 | 0.0 | 0.0 |  | Dry, Liquid |
| 990 SPECIALITY - CODE/GRADE UNKNOWN         | 0 | 0.0 | 0.0 |  | Dry, Liquid |
| 998 MULTIPLE NUTRIENT - CODE/GRADE UNKNOWN  | 0 | 0.0 | 0.0 |  | Dry, Liquid |

<sup>1</sup> For blended products not listed below, use fertilizer code zero and provide the grade.

<sup>2</sup> Use these code only when both the code and analysis are unknown for the tonnage being reported.