**CONSERVATION EFFECTS**

**ASSESSMENT PROJECT**

**(CEAP)**

**2011**

**RESPONDENT BOOKLET**

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|  |  |
| --- | --- |
| **Scheduling Codes** | |
| **Section C, Item 1** | **1** Condition of crop (observation)  **2** Soil moisture by feel  **3** Use of soil moisture sensing devices (such as moisture blocks or tensiometers)  **4** Use of plant moisture sensing devices (such as pressure (chamber) bomb or infrared (IR) thermometer)  **5** Use of irrigation scheduling service (including commercial and government)  **6** Reports on daily crop-weather evapo-transpiration (ET) use (Internet, newspapers, radio, TV, fax, and email)  **7** Water delivered by irrigation organization in turn (no choice by water user)  **8** Personal calendar schedule  **9** Computer simulation models (not from a commercial service)  **10** When neighbors begin to irrigate  **11** Other: (*Specify*) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**CROP CODES**

Section C Crop Table

*Abbreviated listing for CEAP*

Alfalfa seed 35

Amaranth 221

Artichokes 101

Asparagus 102

Bahia grass seed 227

Bahia hay 232

Barley, all 190

Barley, feed or malt 2

Barley, feed 290

Barley, malt 291

Barley, seed 173

Beans, dry edible 3

Beets 103

Bentgrass seed 228

Bermuda grass seed 229

Bermuda hay 231

Birdsfoot trefoil seed 224

Bluegrass seed 40

Broccoli 104

Bromegrass seed 215

Brussels sprouts 105

Buckwheat 84

Cabbage, fresh 2106

Cabbage, processed for kraut 4106

Canola 85

Cantaloupe 4

Carrots 107

Castor beans 86

Cauliflower 108

Celery 109

Chicory 261

Chinese cabbage 249

Chinese peas, sugar, snow 234

Chufas 222

Cilantro 153

Clover and Timothy hay 310

Clover seed 194

Clover seed, crimson 214

Clover seed, ladino 202

Clover seed, red 43

Clover seed, sweet 208

Clover seed, white 203

Collards 185

Corn, all 191

Corn, dry fodder, hogged or grazed 218

Corn, for corn nuts 195

Corn, grain 6

Corn, seed 38

Corn, silage 5

Corn, white 7

Cottonseed 184

Cotton, pima 282

Cotton, upland 281

Crambe 176

CRP 302

Cucumbers for pickles, processed 4111

Cucumbers, fresh 2111

Daikon 258

Dichondra 177

Dill, for oil 179

Eggplant 112

Emmer and spelt 161

Endive/Escarole 259

Fava beans 154

Field and forage crops, other 317

Flaxseed 9

Forage and greenchop 10

Foxtail millet seed 204

Garlic 114

Ginger root 89

Ginseng 198

Grass seed, all 351

Grass seed, other 138

Grass silage 226

Grasses, other than clover & sudan 311

Green peas, English 239

Green peas, fresh 2122

Green peas, processed 4122

Greens 116

Guar 160

Hay, alfalfa and alfalfa mixtures 1

Hay, Bahia 232

Hay, Bermudagrass 231

Hay, other 11

Hay, small grain 217

Hay, wild 225

Herbs, dried 211

Herbs, fresh 212

Hops 12

Horseradish 151

Idle cropland 318

Indian corn 188

Kale 186

Kenaf 181

Lespedeza seed 41

Lettuce, head 117

Lettuce, other 149

Lettuce, romaine 146

Lima beans, dry 268

Lima beans, fresh 2115

Lima beans, processed 4115

Lentils 169

Lotus root 210

Meadow foam 139

Melons, honeydew 13

Melons, miscellaneous 14

Millet 141

Mint, all 310

Mint, all for oil 159

Mungbeans 197

Mushrooms 93

Mustard cabbage 253

Mustard greens 187

Mustard seed 94

Oats 15

Okra 118

Onions, dehydrated 135

Onions, dry 120

Onions, green 119

Orchard grass seed 42

Parsley 121

Pastured cropland 316

Peanuts 16

Peas, all other 123

Peas, Austrian winter 200

Peas, blackeye 124

Peas, Southern (crowder, cowpeas) 243

Peas, dry edible 17

Peppermint for oil 18

Peppers, bell 126

Peppers, hot 244

Peppers, other 127

Pimientos 245

Popcorn 19

Potatoes 20

Pumpkins 128

Radishes 129

Rapeseed 170

Rapini 130

Redtop seed 205

Rhubarb 143

Rice, all 21

Rice, sweet 319

Rice, wild 178

Rutabagas 147

Rye 22

Ryegrass seed 136

Safflower 98

Sage 168

Sesame 152

Shallots 144

Silage & haylage (except corn & sorghum) 23

Snap beans, fresh 2131

Snap beans, processed 4131

Sorghum, all 192

Sorghum, grain 25

Sorghum, hay 219

Sorghum, hogged 220

Sorghum, molasses 174

Sorghum, silage 24

Sorghum-sudan crosses 180

Southern peas, cowpeas, crowder . 243

Soybeans 26

Spearmint 27

Spinach, fresh 2132

Spinach, processed 4132

Squash, summer 133

Squash, winter 150

Strawberries 74

Sudan 167

Sudangrass seed 206

Sugarbeets, all 360

Sugarbeets for seed 137

Sugarbeets for sugar 28

Sugarcane, all 354

Sugarcane for seed 209

Sugarcane for sugar 29

Summer fallow 333

Sunflower seed, non-oil varieties 148

Sunflower seed, oil varieties 30

Sweet corn for seed 246

Sweet corn, fresh 2110

Sweet corn, processed 4110

Sweet potatoes 31

Sweetclover seed 208

Tall fescue seed 44

Teff 199

Timothy hay and clover 310

Timothy seed 45

Tobacco transplants from beds 175

Tobacco, burley 193

Tobacco, flue-cured 196

Tobacco, other 32

Tomatoes, fresh 2134

Tomatoes, processed 4134

Triticale 162

Tung nuts 51

Turnip greens 189

Turnips 145

Vegetables, other 236

Vegetables, seeds 37

Vetch seed, hairy 39

Watercress 238

Watermelons 33

Wheatgrass seed 201

Wheat, all 34

Wheat, all, for seed 172

Wheat, durum 163

Wheat, other spring 164

Wheat, winter 165

Pasture as crop rotation 316

**Section D: Fertilizer Application Methods**

|  |  |
| --- | --- |
| **Section D, Item 2, Column 8** | **APPLICATION CODES FOR COLUMN 8**  1 Broadcast, ground without incorporation  2 Broadcast, ground with incorporation  3 Broadcast, by air (aerial application)  4 In seed furrow  5 In irrigation water (fertigation)  6 Chiseled/injected or knifed in  7 Banded/side-dressed in or over row  8 Foliar or directed spray |

**Common Fertilizers & Percent Analysis**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  |  |  |  | | --- | --- | --- | --- | | Name |  | Percent Active Ingredient |  | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | **FORM** | **N** | **P2O5** | **K2O** | **S** | | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Ammonia | D/L | 80 | -- | -- | -- | | Ammoniated superphosphate | D | 17-Dec | 22-35 | --- | --- | | Ammonium metaphosphate | D | 12 | 51 | --- | --- | | Ammonium nitrate | D | 32-34 | --- | --- | --- | | Ammonium phosphate | D | 18-Nov | 46-48 | --- | --- | | Ammonium phosphate nitrate | D | 27-30 | 15-Oct | --- | --- | | Ammonium phosphate sulfate (APS) | D | 13-16 | 20 | --- | 15 | | Ammonium polyphosphate (APP) | L | 11-Oct | 34-37 | --- | --- | | Ammonium polysulfide (Ammonium Sulfate) | L | 20-21 | --- | --- | 24 | | Ammonium sulfate nitrate | D | 20-30 | --- | --- | 5 | | Ammonium thiosulfate solution | L | 12 | --- | --- | 26 | | Anhydrous ammonia | L/G | 82 | --- | --- | --- | | Aqua ammonia (Ammonium Hydroxide) | L | 16-25 | --- | --- | --- | | Bone meal | D | 0-2 | 20-Oct | --- | --- | | Calcium ammonium nitrate | D | 15-16 | --- | --- | --- | | Diammonium phosphate sulfur | D | 15-16 | 39-41 | --- | --- | | Diammonium phosphate (DAP) | D | 16-21 | 46-53 | --- | --- | | Elemental sulfur | D | --- | --- | --- | 52-100 | | Greensand | D | --- | 1 | 6 | --- | | Magnesium sulfate | D | --- | --- | --- | 13 | | Mixed fertilizer | D | 2 | 6 | 12 | --- | |  |  | 3 | 9 | 18 | --- | |  |  | 3 | 10 | 30 | --- | |  |  | 5 | 10 | 15 | --- | |  |  | 5 | 10 | 30 | --- | |  |  | 5 | 15 | 30 | --- | |  |  | 6 | 24 | 24 | --- | |  |  | 8 | 24 | 24 | --- | |  |  | 9 | 18 | 9 | --- | |  |  | 10 | 34 | -- | --- | |  |  | 11 | 37 | -- | --- | | Monoammonium phosphate (MAP) | D | 13-Nov | 48-62 | -- | --- | | Natralene | D/L | 40 | -- | -- | -- | | Nitrogen solutions | L | Jul-58 | --- | -- | --- | | Nitric phosphate | D | 17-Dec | 22-35 | -- | --- | | Phosphate rock | D | --- | Feb-35 | -- | --- | | Phosphate acid | L | --- | Feb-76 | -- | --- | | Potassium carbonate | D | --- | --- | 34-48 | --- | | Potassium chloride (Muriate of Potash) | D | --- | --- | 60-62 | --- | | Potassium magnesium sulfate | D | --- | --- | 22 | 23 | | Potassium metaphosphate | D | --- | 55-57 | 37-38 | --- | | Potassium nitrate | D | 13 | --- | 44 | --- | | Potassium orthophosphate | D | --- | 30-60 | 30-50 | --- | | Potassium polyphosphate | L | --- | 40-60 | 22-48 | --- | | Potassium sodium nitrate | D | 15 | --- | 14-15 | --- | | Potassium solutions | L | --- | --- | 13-15 | --- | | Potassium sulfate | D | --- | --- | 50-53 | 16 | | Sodium nitrate (Nitrate of Soda) | D | 15-16 | --- | --- | --- | | Sulfuric acid | L | --- | --- | --- | 20-26 | | Super phosphate (22 % & under) | D | --- | 16-22 | --- | 11 | | Super phosphate (over 22%) | D | --- | 23-39 | --- | 11 | | Triple super phosphate | D | --- | 40-54 | --- | 11 | | Urea | D | 45-46 | --- | --- | --- | | Urea, sulfure coated | D | 36-38 | --- | --- | 13-16 | | Urea, ammonium phosphate | D | 25-58 | 28-35 | --- | --- | | Urea, ammonium nitrate (UAN) | L | 28-32 | --- | --- | --- | | Urea phosphate | D | 17 | 44 | --- | --- | |

**CHEMICALS and PESTICIDES**

F = Fungicide; H = Herbicide; I = Insecticide; M = Misc. Other;

MD = Defoliant/Dessicant; MG = Growth Regulator; MS = Soil Fumigant

**D/L Class Product Code Product Name**

L H 4758 2,4-D Amine

L H 4377 2,4-D Amine 4

L H 4759 2,4-D Amine 4 CA

L H 4664 2,4-D Amine 6

L H 4283 2,4-D L.V. 4 Ester

L H 4271 2,4-D Lo-V Ester

L H 4562 2,4-D LV4

L H 4480 2,4-D LV6

L H 4006 AAtrex 4L

D H 4008 AAtrex Nine-O (WP)

L H 4689 Abolish 8 EC

D H 4648 Accent Gold

D H 4339 Accent Herbicide

D I 1483 Acephate 75 WSP

D I 1525 Acephate 90SP

D H 4657 Achieve 40DG

L H 4892 Achieve SC

D F 7239 Acrobat MZ

D I 1858 Actara

L I 1427 Admire 2 Flowable

D H 4991 Affinity Tankmix

L H 4351 Agsco 400 (EC)

D H 4683 Aim

D MD 9370 Aim

L H 4879 Aim EC

L H 4880 Aim EW/Avalanch

D H 4859 Ally Extra

D H 4123 Ally XP (60DF)

D H 4390 Amber

L I 1975 Ambush

D I 1975 Ambush 25WP

L I 1133 Ammo 2.5EC

D H 4876 Amplify

D MG 9365 Apogee PGR

L H 4130 Arrosolo 3-3E

L H 4954 Arrow 2EC

L I 1004 Asana XL

D I 1882 Assail 70WP

L H 4133 Assert (2.5EC)

L H 4371 Assure II

L H 4041 Atrazine 4L

L H 4042 Atrazine 5L

D H 4043 Atrazine 80 (WP)

D H 4044 Atrazine 90DF

D H 4603 Authority

D H 4681 Authority 75 DF

L H 4135 Avenge (2L)

D H 4651 Axiom DF

D I 1971 Aztec 4 67 %Granular

**D/L Class Product Code Product Name**

L H 4786 Backdraft

L H 4823 Balance Pro

D H 4652 Balance WDG

L H 4136 Banvel (4L)

L H 4617 Banvel + 2,4-D

L H 4327 Banvel SGF (2EC)

L H 4676 Banvel-K + Atrazine

L H 4808 Barrage

L H 4531 Barrage HF

L H 4019 Basagran

L H 4796 Basagran T/O

D H 4521 Basis

D H 4611 Basis Gold

L I 1246 Baythroid 2 (EC)

D H 4140 Beacon (75DF)

L H 4386 Betamix (EC)

L H 4387 Betanex (EC)

L H 4920 Beyond

L H 4470 Bicep II

L H 4637 Bicep II Magnum

L H 4638 Bicep Lite II Magnum

L H 4694 Bicep Magnum TR

L I 1213 Bidrin 8

L H 4655 Bison

L H 4146 Blazer 2L

D F 7050 Bluestone

D H 4149 Bolero 10G

D H 4199 Bolero 15 G

L H 4324 Bolero 8EC

L H 4795 Boundary

L H 4963 Brash

D F 7241 Bravo Ultrex

L F 7008 Bravo Weather Stik

L F 7193 Bravo ZN

L H 4655 Bromox/MCPA 2-2

L H 4153 Bronate (4EC)

L H 4864 Bronate (Bronate Pro #2)

L H 4856 Bronate Advanced

L H 4884 Buccaneer Herbicide

D H 4155 Buckle

L H 4024 Buctril (2EC)

L H 4026 Buctril + Atrazine

L H 4025 Buctril 4EC

L H 4027 Bullet (4EC)

L F 7534 Bumper 41.8EC

L H 4158 Butoxone 200 (2EC)

L H 4159 Butyrac 175

L H 4160 Butyrac 200

D F 7521 Cabrio EG

L H 4679 Cadre

D H 4680 Cadre DG

L H 4847 Callisto (4L)

L H 4896 Camix

D H 4161 Canopy

D H 4610 Canopy XL

L H 4031 Caparol 4L

D F 7088 Captan 50W

L I 1140 Capture 2EC

D H 4690 Celebrity

D H 4799 Celebrity Plus

D I 1868 Centric

D H 4919 Cerano 5 MEG

L MG 9098 Cerone

L F 7244 Champ Formula 2

L F 7231 Champ Plus

L H 4887 Cinch ATZ

L H 4469 Clarity (4L)

D H 4167 Classic (25DG)

L H 4875 ClearOut 41 Plus

D H 4394 Clearpath

L H 4904 Clincher SF

L H 4169 Cobra (2E)

L H 4170 Collego

L I 1008 Comite (6.55EC)

L I 1401 Comite II

L H 4578 Command 3ME

L H 4171 Command 4EC

L H 4841 Command Xtra

L H 4173 Confidence 4EC

L I 1441 Confirm 2F

D F 7053 Copper Sulfate

L H 4872 Cornerstone

L H 4176 Cotoran 4L

D H 4178 Cotoran DF

L H 4034 Cotton-Pro

L MG 9222 CottonQuik

D I 1009 Counter (15G)

D I 1241 Counter 20CR

L H 4894 Credit

L H 4982 Credit Duo Extra

L I 1249 Curacron 8E

L H 4117 Curbit EC

L H 4180 Curtail (EC)

L H 4365 Curtail M (EC)

D F 7315 Curzate 60DF

L MD 9031 Cyclone

L H 4654 Cyclone Concentrate

L H 4898 Dagger

L I 1665 Decis 1.5EC

L I 1557 Declare

L MD 9049 Def 6 Emulsifiable Def

L H 4849 DEFINE SC

(aka Flufenacet 4 SC)

L MD 9014 Defol 6

L H 4803 Degree Xtra

L I 1775 Denim

D H 4038 Devrinol 50-WP

L I 1041 Diazinon 4E

D I 1050 Diazinon 50 WP

L H 4866 Dicamba SG

L I 1718 Digon 400

L I 1212 Dimate 4EC

L I 1028 Dimethoate 2.67 EC

L I 1267 Dimethoate 400

L I 1029 Dimethoate 4EC

L I 1403 Dimethoate 5 lb.

D I 1145 Dimilin 25W

L I 1715 Dimilin 2L

L H 4039 Direx 4L

D H 4040 Direx 80DF

L H 4820 Discover

L H 4938 Discover NG

D H 4677 Distinct (aka Overdrive)

D I 1033 Di-Syston 15%G

L I 1034 Di-Syston 8 EC

D F 7127 Dithane 75DF Rainshield

L F 7015 Dithane F-45 Rainshield

D F 7016 Dithane M-45 (WP)

L F 7318 Dithane M-45 Flowable

L H 4045 Diuron 4L

D H 4605 Diuron 80DF

D H 4807 Domain

L F 7592 Domark 230 ME

L H 4534 DoublePlay

D MD 9046 Dropp 50WP

L MD 9418 Dropp SC

D MD 9290 Dropp Ultra

L H 4660 Dual II Magnum

L H 4661 Dual II Magnum SI

D H 4753 Dual IIG Magnum

L H 4659 Dual Magnum

L H 4806 Duet

L H 4198 Durango(aka GF-1279)

L F 7226 Echo 720

D F 7332 Echo 90DF

L F 7329 Echo Zn

D F 7287 Elite 45 DF

L F 7465 Eminent 125 SL

L I 1720 Empower (aka Nutripel)

L I 1199 Endosulfan 3EC

D F 7571 Endura (70WG)

D H 4956 Envoke

L H 4769 Envoy

D H 4749 Epic

L H 4053 Eptam 7-E

D H 4973 Equip Corn Herbicide

L F 7515 Equus 720

L H 4203 Esteron 6E

L H 4900 ET

L MG 9207 Ethephon 6

D H 4855 Everest 70%

D H 4055 Evik 80W

D H 4523 Exceed 64.6 DF

D H 4205 Express (DF)

L H 4756 Extreme

D H 4336 Facet 50WP

D H 4693 Facet 75 DF

D H 4760 Facet GR

L MG 9114 Fair 85

L H 4210 Fallow Master

D H 4211 Far-Go Granular (10%)

L H 4642 Field Master

D H 4214 Finesse

L MG 9220 Finish

L MG 9283 Finish 6

D H 4643 FirstRate

L H 4532 Flexstar

L MD 9047 Folex 6EC

L F 7254 Folicur 3.6 F

D I 1440 Force 3G

L H 4291 Formula 40

D I 1678 Fortress 2.5 G

D I 1397 Fortress 5 G

L H 4448 Frontier 6.0

D H 4644 Frontrow

L H 4597 Fultime Herbicide

D I 1259 Furadan 10G

D I 1053 Furadan 15G

L I 1054 Furadan 4F

D I 1151 Furadan 5G

L I 1374 Fury 1.5 EC

L H 4492 Fusilade DX

L H 4442 Fusion

L I 1521 Fyfanon ULV 9.9lbs

D H 4962 Gangster

D H 4915 Gangster FR

D H 4964 Gangster V (aka Valor)

D H 4839 Gauntlet

D F 7499 Gavel 75DF

L MD 9164 Ginstar EC

D H 4125 Glean FC (75DF)

L H 4882 Gly Star Plus

L H 4990 Gly-4 Plus

L H 4580 Glyfos X-TRA

L H 4840 Glyphomax

L H 4999 Glyphomax XRT

L H 4890 Glyphosate 4

L H 4838 Glyphosate Original

L H 4886 G-Max Lite

L H 4542 Goal 2XL

L H 4314 Gramoxone Extra

L H 4402 Gramoxone Inteon

L H 4404 Gramoxone Max

L MD 9399 Gramoxone Max

L H 4064 Gramoxone Super

L H 4685 Grandstand R or CA

L H 4393 Grasp

L H 4484 Grazon ET

L H 4494 Guardsman Herbicide

L H 4852 Guardsman Max

L I 1152 Guthion 2L

D H 4139 Harmony Extra XP

D H 4137 Harmony GT XP

L H 4602 Harness

D H 4650 Harness 20G

L H 4529 Harness Xtra

L H 4649 Harness Xtra 5.6L

L MD 9048 Harvade - 5F

L F 7522 Headline

L F 7603 Headline SBR

L H 4955 Helosate Plus

L H 4221 Hi-Dep

L H 4065 Hoelon 3EC

D H 4517 Hornet

D H 4861 Hornet WDG

L H 4333 Ignite (only for cotton)

D F 7240 Indar 75 WSP

L I 1863 Intrepid 2F

L H 4969 Intrro

D I 1901 Intruder WSP

D I 1974 Javelin WG

L I 1252 Karate (1EC)

L I 1707 Karate Z

D H 4066 Karmex DF

L I 1062 Kelthane MF

L H 4888 Keystone

L I 1470 Knack

(aka Esteem 0.86EC)

L H 4629 L Treflan HFP

L H 4524 Laddok S-12

L H 4229 Landmaster BW

L I 1064 Lannate LV (2.4 lbs.)

D I 1065 Lannate SP

L F 7483 Laredo EC

L H 4230 Lariat (4F)

L I 1066 Larvin 3.2

D I 1384 Larvin DF

L H 4069 Lasso (4EC)

L H 4150 Layby Pro

L H 4665 LeadOff

D I 1671 Lepinox WDG

L I 1814 Leverage 2.7

L H 4989 Lexar Herbicide

L H 4640 Liberty

L H 4678 Liberty ATZ

D H 4607 Lightning DG

L H 4074 Linex 4L

D H 4233 Londax (60DF)

D H 4077 Lorox DF

D I 1068 Lorsban 15G

L I 1069 Lorsban 4E

D I 1070 Lorsban 50W

L H 4522 Low Vol 4 Ester

L H 4885 Lumax

L H 4826 LV 400 2,4-D

L H 4906 Mad Dog Glyphosate

L I 1085 Malathion 5 EC (55%)

L I 1725 Malathion 5 EC (56%)

L I 1236 Malathion 5 EC (57%)

L I 1228 Malathion 8E

L I 1157 Malathion ULV 9.7lbs

L F 7064 Manex

D F 7025 Manzate 75DF

L H 4235 Marksman

D H 4566 Matrix (aka Shadeout)

D H 4791 Maverick

L H 4293 MCP 4 Ester

L H 4292 MCP Amine 4

L H 4513 MCPE Phenoxy

L MG 9405 Mepex Plus

L MG 9188 Mepichlor 4.2% Liquid

L MG 9420 Mepiquat Chloride,

Farm Saver

L F 7396 Mertect 340-F

L H 4231 Micro-Tech

D F 7449 Microthiol Disperss

L H 4491 Mirage (4EC)

L I 1082 Mocap EC

L I 1329 Monitor 4

L H 4144 MSMA 4 Plus

L H 4194 MSMA 6 Plus

L H 4147 MSMA 6.6 (EC)

L I 1363 Mustang

L I 1895 Mustang Max

L H 4916 Newpath Herbicide

D H 4692 NorthStar

L H 4388 Nortron EC

L H 4590 Nortron SC

Flowable Herbicide

D I 1546 Nufos 15 G

L I 1547 Nufos 4E

L MG 9108 Off-shoot-T 85

L I 1278 Oil

D H 4195 Olympus Flex

D H 4860 Option

L H 4138 Oracle Dicamba

D H 4242 Ordram 15-G

D H 4406 Ordram 15-GM

L H 4243 Ordram 8-E

L F 7199 Orius 3.6 F

D F 7201 Orius 45 WP

D F 7200 Orius 45DF

D I 1102 Orthene 75 S

D I 1481 Orthene 75 WSP

D I 1509 Orthene 90 WSP

D I 1258 Orthene 90S

D I 1822 Orthene 97

D I 1316 Orthene Tobacco

Insect Spray

D H 4951 Osprey

L H 4940 Outlaw

(aka Bushwhacker)

L H 4862 Outlook

D H 4569 Peak (WDG)

D F 7098 Pencozeb 75DF

D F 7026 Pencozeb 80WP

L H 4813 Pendimax 3.3

L I 1164 Penncap-M

L MG 9397 Pentia

L I 1902 Permethrin 3.2 AG

D H 4525 Permit

L I 1884 Perm-UP 3.2 EC

L MG 9137 PGR-IV

D I 1240 Phorate 20-G

L MG 9299 Pix

L MG 9099 Pix Concentrate

L MG 9295 Pix Plus

L MG 9038 Pix Ultra

L H 4329 Pledge 4SL

L H 4081 Poast (1.5 EC)

L H 4703 Poast 3.5

L H 4334 Poast Plus (1EC)

D MG 9107 Polado L

D I 1105 Pounce 1.5 G

D I 1106 Pounce 25WP

L I 1107 Pounce 3.2EC

L MG 9039 Prep brand Ethephon

L MG 9100 Prime+ EC

L H 4084 Princep 4L

D H 4249 Princep Caliber 90

L H 4573 Prism (aka Select)

D F 7568 Pristine

L I 1972 Proaxis

L H 4712 Progress

L I 1057 Prolex

L H 4164 Propanil 3E

L H 4213 Propanil 4E

D H 4337 Propanil WDG (50%)

L F 7528 PropiMax EC

L H 4360 Prowl 3.3 EC

D H 4504 Prowl DG

L H 4942 Prowl H2O

L H 4581 Puma 1EC (Bronate Pro )

L H 4254 Pursuit

D H 4505 Pursuit DG

L H 4255 Pursuit Plus EC

D H 4646 Python WDG

L F 7291 Quadris (aka Abound)

L F 7085 Quadris Opti

L F 7575 Quilt

D F 7141 Rally 40W

L H 4604 Raptor

D H 4750 Rave

L H 4256 Reflex

L I 1552 Regent 4 SC

D I 1532 Regent 80 WG

D H 4905 Regiment

L MG 9394 Reglone

L H 4527 Resource

L H 4500 Rezult

L H 4398 Rezult B

L H 4784 Rezult G

L H 4903 Rhino

L H 4078 Rhomene MCPA Amine

L H 4262 Rhonox (EC)

L H 4897 RiceStar HT

L F 7286 Ridomil Gold EC

D F 7307 Ridomil Gold GR

D F 7341 Ridomil Gold PC

D F 7323 Ridomil Gold WSP

L I 1977 Rimon 0.83EC

D F 7174 Ronilan DF (50%)

L H 4700 Roundup Custom

L H 4564 Roundup Export

L H 4093 Roundup Original

L MD 9172 Roundup Original

L H 4315 Roundup Original II

L MD 9342 Roundup Original II

L H 4939 Roundup Original Max

L H 4707 Roundup Pro

L H 4561 Roundup Ultra

L MD 9281 Roundup Ultra

D H 4762 Roundup Ultra Dry

L H 4881 Roundup Weather Max

L MG 9008 Royal MH-30

L H 4857 RT Master

L H 4675 Saber

L H 4846 Salvan (Cornbelt)

L H 4265 Salvo

D H 4874 Sandea

D H 4391 Savage

L H 4266 Scepter

D H 4318 Scepter 70DG

L I 1170 Scout X-Tra

L H 4396 See MCPA Ester

L H 4447 Select 2 EC

L H 4095 Sencor 4

D H 4096 Sencor DF (75%)

L H 4960 Sequence

L I 1132 Sevin 4F

D I 1018 Sevin 80S

D I 1496 Sevin 80WSP

L I 1093 Sevin RP4

L I 1019 Sevin SL

L I 1092 Sevin XLR Plus

L MG 9062 Sevin XLR Plus

L H 4554 Shotgun Flowable

Herbicide

L H 4048 Simazine 4L

D H 4049 Simazine 80 W

D H 4342 Simazine 90DF

D H 4098 Sinbar (80WP)

L MD 9079 Sodium Chlorate 2lb.

L MD 9186 Sodium Chlorate 5lb.

L MD 9018 Sodium Chlorate 6lb.

L H 4487 Solve MCPA Ester

L H 4507 Sonalan HFP

D H 4705 Spartan

L I 1543 SpinTor 2SC

D H 4641 Spirit

L H 4269 Squadron

L H 4389 Stam 4SC

D H 4338 Stam 80 EDF

L H 4270 Stam M4

D H 4560 Staple

L H 4868 Starane + Saber

L H 4819 Starane + Salvo

L H 4863 Starane + Sword

L H 4628 Starane EC

L MD 9080 Starfire (1.5L)

D H 4845 Steadfast

D H 4924 Steadfast ATZ

L H 4802 Sterling

L I 1806 Steward

L H 4320 Stinger (3EC)

L H 4272 Storm

L F 7513 Stratego

D H 4901 Strongarm

L I 1529 Success

L MG 9119 Sucker Plucker

Concentrate (85%)

D I 1394 Sulfur 92%

D F 7129 Sulfur Dusting (92%)

(aka Honey Dew)

L MD 9009 Sulfuric Acid Potato

Vine Desiccant

L MG 9260 Super Boll

L F 7073 Super Tin 4L

D F 7215 Super Tin 80WP

D H 4950 Suprend

L H 4516 Surpass 100

D H 4577 Surpass 20 G

L H 4103 Surpass 6.7-E

L H 4515 Surpass EC

D F 7393 Switch 62.5WG

D H 4501 Synchrony STS

L I 1467 Taiga Z

L H 4403 Targa

L MS 9011 Telone II

D I 1124 Temik 15G

D I 1256 Thimet 15-G

D I 1127 Thimet 20-G

L I 1910 Thionex (Thiodan) 3EC

L F 7202 Thiophanate

Methyl 4.5F AG

L F 7076 Tilt

L F 7366 Tilt/Bravo

L H 4530 TopNotch

D F 7151 Topsin 85 WDG

D F 7040 Topsin M 70WP

L H 4281 Tordon 22K (2EC)

L H 4662 Touchdown 5

L H 4922 Touchdown CF

L H 4848 Touchdown Herbicide

L I 1526 Tracer

L H 4983 Treflan 4L

D H 4508 Treflan 5G

L H 4108 Treflan E.C.

L H 4629 Treflan HFP

D H 4111 Treflan TR-10

L H 4450 Trifluralin 4 (EC)

L H 4112 Trilin

D H 4285 Trilin 10G

L F 7321 Trilogy

L I 1899 Trimax

L H 4815 Trust 4EC

L H 4867 Turret

L H 4843 Ultra Blazer

D H 4824 UpBeet

L I 1903 Up-Cyde 2.5 EC

D H 4871 Valor WP

L MS 9012 Vapam

L H 4317 Velpar L (2EC)

L H 4893 Volley ATZ Lite

L I 1247 Vydate C-LV (3.77lbs)

L I 1177 Vydate L (2 Lbs)

L I 1987 Warhawk

L I 1553 Warrior

L H 4204 Weed Killer 4D

L H 4003 Weedar 64

L H 4295 Weedmaster

L H 4296 Weedone 638

L H 4298 Weedone LV4

Solventless

L H 4299 Weedone LV6

L H 4308 Wham! EZ

L H 4309 Whip 1EC

L H 4379 Whip 360

L H 4945 WideMatch

L H 4946 WideMatch M

L H 4899 WildCard

L H 4247 Wise Up

(aka Meychem Glyphosate)

D H 4858 Yukon Herbicide

L I 1983 Yuma 4E

L I 1289 Zephyr 0.15 EC

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| **Conversion Factors for Liquid & Dry Products**  Liquid Products:    1 Gallon = 4 Quarts  1 Quart = 2 Pints  1 Pint = 16 Fluid Ounces  2 Cups = 1 Pint  Dry Products:  1 Pound = 16 Dry Ounces  1 Ounce = 28.3 Grams  1 Pound = 453 Grams |

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| **Abbreviations**  AS Aqueous Suspension  D Dust  DF Dry flowable  DG Water-Dispersible Granules  E or EC Emulsifiable Concentrate  ES Emulsifiable solution  F or L Flowable  G or GR Granular  L Liquid  LV Low volatility  M or ME Microencapsalted  P Pellets  S Solution  SL Slurry  SP Soluble powder  W or WP Wettable powder  WDG or WG Water-Dispersible Granules  WSP Water-soluble packet |
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| **Section F**  **Pesticide Application Methods** | | |
|  | 4 Seed Furrow  5 Chemigation (in irrigation water)  6 Chisel/injected or knifed in  8 Direct spray, foliar  10 Seed Treatment by producer prior to planting  11 Broadcast, ground, not incorporated  12 Broadcast, ground, w/ hood, not incorporated  13 Broadcast, ground, foliar  21 Broadcast, ground, incorporated  22 Broadcast, ground, w/ hood, incorporated  31 Broadcast, aerial  32 Broadcast, aerial, foliar | 71 Banded/side-dressed  72 Banded/side-dressed, w/ hood  73 Banded/side-dressed, foliar  76 T-Banded (Combo of banded and injected), soil  SPOT TREATMENTS  91 Spot treatment  92 Spot treatment, w/ hood  93 Spot treatment, foliar |

**Section H**

**Irrigation System Type Codes**

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| **PRESSURE SYSTEMS** |  | **GRAVITY SYSTEMS** |
| 1 Hand-move |  | 10 Siphon Tube from unlined ditches |
| 2 Solid or Permanent Set |  | 11 Siphon Tube from lined ditches |
| 3 Side Roll or Wheel Line |  | 12 Portal System from unlined ditches |
| 4 Center Pivot or Linear Move with impact sprinklers |  | 13 Portal System from lined ditches |
| 5 Center Pivot or Linear Move low pressure spray nozzles below the tower and suspended above ground level |  | 14 Any Poly Pipe System |
| 6 Center Pivot or Linear Move with spray or bubbler nozzles discharging on or near the ground |  | 15 Gated Pipe (not poly pipe) |
| 7 Big Gun |  | 16 Improved Gated Pipe (surge flow or cablegation not poly pipe) |
| 8 Low Flow Irrigation (drip, trickle or micro spray) |  | 17 Subirrigation |
| 9 Other - Specify |  | 18 Open discharge from well, pump, border large scale turned structures or large alfalfa valves |
|  |  | 19 Other - Specify |

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| **Section H, Item 4c**  **Practices to Improve Water Use Efficiency** | | | |
| **Practice Code** | **Practice** | **Practice Code** | **Practice** |
| 1 | Ditch Improvement | 7 | Flow/Limit & Monitor |
| 2 | Water Leveling | 8 | Field Borders / Run Off Control |
| 3 | Pipe Drop | 9 | Angle Dikes |
| 4 | Overflow Gate | 10 | Stale Seed Bed |
| 5 | Furrow Dams (check dam) | 11 | Tail Water Recovery |
| 6 | Underground Pipes | 12 | Alternating Row & Furrows |

**Machinery and Implement Codes**

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| **PLOWS and DISKS**  01 Chisel Plow (Big Ox)  02 Coulter Plow  CoulterChisel, Soil  Saver, Soil Conserver)  03 Deep Ripper  (Knife, Bed Knife, Slide)  04 Disk Plow  **Moldboard**  05 Regular  06 Two-way  07 Stubble-mulch  (Noble, Sweeps, Hoeme  Plow, Muckeroy Plow)  08 Subsoiler  (Chisel, Ripper, V-ripper,  Big Ox)  09 Disk-chisel (Mulch Tiller)  **Offset Disk**  10 Heavy Disk  11 Light Disk  12 One-way Disk (Disk Tiller)  13 Single Disk  **Tandem Disk**  14 Plowing  15 Regular  16 Paraplow |

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| **PACKERS**  51 Culti-packer  (Pulverizer, Crow-foot,  Serrated, Ring, Spiral)  **Roller-packer**  52 Attachment, Plow Packer  53 Smooth & Flat, Roller Packer |

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| **PLANTERS**  108 Sprig Planter  111 Bedder-shaper Planter  112 Lister-bedder  113 No-till, Minimum Till,  (Ripper Planter)  114 Conventional,Regular (Tye, Flex)  115 Air Delivery/vacuum  116 Ridge till  359 Vegetable Planter |

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| **DRILLS and SEEDERS**  101 Aerial Seeding  102 Broadcast Seeder  **Drill**  103 Air Delivery  104 Lister Disk, Grain  105 No-till, Minimum till  106 Plain, Grain  107 Press, Disk or Hoe |

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| **CULTIVATORS**  21 Field Cultivator  (Regular Digger, Triple K, Danish Tined, Swedish Tined, Incorporated, S-tine,Cultivator, Vibra-shank  Harrow, Lilliston Tiller)  22 Furrow-out  23 Rotary Hoe (Crust Buster)  **Row**  24 Disk Sweep, Shovel  25 Rolling, Rotary  **Field Cultivator**  26 Heavy Duty (Duckfoot  Cultivator)  27 Marker  28 Fallow Master |

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| **BEDDERS-SHAPERS**  41 Bedder (Shaper, Bedshaper, Crowder)  42 Bed Shaper, Bed Former  364 Plastic Mulcher/Bedder  **Disk**  43 Hipper  44 Row  45 Float  46 Lister (Middle-buster)  47 Rotovator-bedder  48 Seedbed Roller (Flat Roller)  49 Sub-soil Bedder (Ripper-hipper)  50 Discovator |

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| **HARROWS (DRAGS)**  30 Heavy Harrow  31 Field Conditioner  (Scratcher, Seed Bed  Conditioner, Soil Conditioner, Ground Hog)  32 Finishing (Harrogator, Spiral,Roller, Knives, Shanks,Pegs, Smoother)  33 Flex-tine Tooth (Coil Tine)  34 Multi-weeder (Cultivator &Harrow)  35 Rail, Pipe, Log, Plank  36 Rod Weeder  37 Roller (Culti-mulcher, Pulvi-mulcher, Crumbler, Packer-  mulcher, Packer & Shanks)  38 Spike Tooth  39 Spring Tooth  40 Powered Spike Tooth Harrow |

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| **MISCELLANEOUS TILLAGE**  61 Land-all, Do-all Mix-n-till, Till-all (Disk, Shovels, Reel & Spikes)  62 Mulch Treader, Picker, Skew Treader  63 Roto-tiller  64 Roterra (Roto-spike, Lely)  65 Sand-fighter  66 Soil Finisher (Finishing Tool, Mulch Finisher, Tri-tiller, Task Master)  67 Root Crown Puller  68 Stalk Puller/Chopper |

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| **SUGARCANE EQUIPMENT**  **Planters**  350 Mechanical (Billet)  351 Hand  **Harvesters**  352 Single Row Chopper  353 Single Row Soldier  354 Two Row Soldier  **Transfer Wagons**  355 Billet, field  356 Wholestalk, field  **Misc**  357 Wholestalk Loader, field  363 Row Shaver |

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| **SUGARBEET EQUIPMENT**  231 Beater (Defoliator)  **Harvester**  233 Regular or Direct  234 Tank  235 Other  **Thinner**  236 Mechanical (Electronic)  237 Mechanical (Random)  238 Planter  239 Topper (Topsaver) |

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| **TOBACCO EQUIPMENT**  **Mechanical Harvester –**  **(Self-propelled)**  251 Multi-pass  252 Last-over  253 Once-over  **Mechanical Harvester –**  **(PTO-driven)**  271 Multi-pass  272 Last-over  273 Once-over  **Priming Aids**  254 Field Box Filling  255 Field Racking  256 Looping on Sticks in Field  257 Other  262 Stripping Machine  263 Stripper, Carousel  264 Swinging Frame or Schaffel Wagon  265 Topper, 2 Row  266 Topper, 4 Row  258 Trailer/Wagon/Cart (Harvest)  259 Transplanter  270 Transplanter, Carousel  260 Transplant Digger, (Mechanical)  261 Tying Machine |

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| **PEANUT EQUIPMENT**  281 Combine, PTO  282 Digger-shaker  283 Shaker-inverter  284 Reshaker-conditioner  285 Vine cutter  286 Wagon |

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| **COTTON EQUIPMENT**  211 Chopper (Stalk Cutter)  212 Module Builder  213 Gleaner  **Picker**  214 Mounted  215 Self-Propelled  216 Rood Machine  **Stripper**  217 Mounted  218 Pull-Type  219 Self-Propelled  **Misc**  220 Trailer  221 Boll Buggy |

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| **HARVESTING EQUIPMENT**  **Small Grains/Row Crops Combine**  121 Hillside  122 Self-propelled, 2wd  123 Self-propelled, 4wd  124 Track  125 PTO/motor Mounted  **Windrower-swather**  126 (Grain/hay) pto  127 (Grain/hay)  **Self-propelled**  133 Corn Picker  134 Hand Harvesting  135 Tassel Stalker  224 Corn Binder  **Misc**  360 Vegetable Picker  (Snap Bean)  358 Root Crop Digger/Harvester |

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| **TRUCKS**  301 Single Axle  302 Double Axle  303 Tri-Axle  304 Semi  305 Other Trucks |

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| **LAND FORMING EQUIPMENT**  171 Backhoe  172 Disk Border Maker  173 Ditch Closer  174 Ditcher (Vee Rotary)  175 Levee Plow Disk  176 Quarter Drain Machine  177 Rear Mounted Blade  178 Corrugator (Furrow Dicer,  Dammar Dicer, Dicer)  180 Land Plane Leveler (Water  Leveler)  181 Laser Planer, Laser Leveler  182 Gate Setter  183 Bull Dozer |

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| **MOWERS and BALERS**  141 Amish Harvester  **Baler**  145 Motor Mounted  146 PTO (Large)  147 PTO (Small)  148 Self-propelled  **Mowers**  149 Mower-chopper-Rotary  150 Conditioner/PTO  151 Self-propelled  152 Drum-disk  153 Flail  154 Sickle  **Rake**  155 Dump  156 Side Delivery  157 Wheel  162 Hay Tedder |

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| **OTHER IMPLEMENTS**  191 Burn Buggy  192 Chaff/straw Saver  193 Electric-discharge Weed Killer  196 Off-field Thresher  197 Rock Picker  198 Rock Windrower or Rake  199 Rodent (Gopher) Killer  200 Roller Groover  201 Rubber-wheeled Weed Puller  202 Flail Shredder  203 Rotary Shredder  204 Silage Harvester  205 Stalk Shredder, Stalk Cutter  206 Swath Roller  207 Tractor or Truck - No Attachments  223 Flame Thrower  240 Aerator |