

**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	Bromegrass seed	215
	Amaranth		Brussels sprouts	105
221			Buckwheat	84
	Artichokes		Cabbage, fresh	2106
101			Cabbage, processed for kraut	4106
	Asparagus		Canola	85
102			Cantaloupe	4
	Bahia grass seed		Carrots	107
227			Castor beans	86
	Bahia hay		Cauliflower	108
232			Celery	109
	Barley, all		Chicory	261
190			Chinese cabbage	249
	Barley, feed or malt	2	Chinese peas, sugar, snow	234
	Barley, feed		Chufas	222
290			Cilantro	153
	Barley, malt		Clover and Timothy hay	310
291			Clover seed	194
173			Clover seed, crimson	214
	Beans, dry edible	3	Clover seed, ladino	202
	Beets		Clover seed, red	43
103			Clover seed, sweet	208
	Bentgrass seed		Clover seed, white	203
228			Collards	185
229			Corn, all	191
	Bermuda grass seed		Corn, dry fodder, hogged or grazed	218
	Bermuda hay		Corn, for corn nuts	195
231			Corn, grain	6
	Birdsfoot trefoil seed		Corn, seed	38
224			Corn, silage	5
	Bluegrass seed	40	Corn, white	7
	Broccoli		Cottonseed	184
104			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

		Hay, other	11
	Fava beans	Hay, small grain	217
		Hay, wild	225
154		Herbs, dried	211
	Field and forage crops, other	Herbs, fresh	212
		Hops	12
317		Horseradish	151
	Flaxseed		9
	Forage and greenchop		10
	Foxtail millet seed	Idle cropland	318
		Indian corn	188
204			
	Garlic	Kale	186
		Kenaf	181
114		Lespedeza seed	41
	Ginger root	Lettuce, head	117
	Ginseng	Lettuce, other	149
		Lettuce, romaine	146
198		Lima beans, dry	268
	Grass seed, all	Lima beans, fresh	2115
		Lima beans, processed	4115
351		Lentils	169
	Grass seed, other	Lotus root	210
138			
	Grass silage	Meadow foam	139
		Melons, honeydew	13
226		Melons, miscellaneous	14
	Grasses, other than clover & sudan	Millet	141
		Mint, all	310
311		Mint, all for oil	159
	Green peas, English	Mungbeans	197
		Mushrooms	93
239		Mustard cabbage	253
	Green peas, fresh	Mustard greens	187
		Mustard seed	94
2122			
	Green peas, processed	Oats	15
		Okra	118
4122		Onions, dehydrated	135
	Greens	Onions, dry	120
		Onions, green	119
116		Orchard grass seed	42
	Guar		
160		Parsley	121
		Pastured cropland	316
	Hay, alfalfa and alfalfa mixtures	Peanuts	16
	Hay, Bahia	Peas, all other	123
		Peas, Austrian winter	200
232		Peas, blackeye	124
	Hay, Bermudagrass	Peas, Southern (crowder, cowpeas)	243
		Peas, dry edible	17
231		Peppermint for oil	18

	Peppers, bell		Shallots	144	
126			Silage & haylage (except corn & sorghum)		23
	Peppers, hot		Snap beans, fresh	2131	
			Snap beans, processed	4131	
244			Sorghum, all	192	
	Peppers, other		Sorghum, grain	25	
			Sorghum, hay	219	
127			Sorghum, hogged	220	
	Pimientos		Sorghum, molasses	174	
			Sorghum, silage	24	
245			Sorghum-sudan crosses	180	
	Popcorn	19	Southern peas, cowpeas, crowder .	243	
	Potatoes	20	Soybeans	26	
	Pumpkins		Spearmint	27	
			Spinach, fresh	2132	
128			Spinach, processed	4132	
			Squash, summer	133	
	Radishes		Squash, winter	150	
			Strawberries	74	
129			Sudan	167	
	Rapeseed		Sudangrass seed	206	
			Sugarbeets, all	360	
170			Sugarbeets for seed	137	
	Rapini		Sugarbeets for sugar	28	
			Sugarcane, all	354	
130			Sugarcane for seed	209	
	Redtop seed	205	Sugarcane for sugar	29	
	Rhubarb		Summer fallow	333	
			Sunflower seed, non-oil varieties	148	
143			Sunflower seed, oil varieties	30	
	Rice, all	21	Sweet corn for seed	246	
	Rice, sweet		Sweet corn, fresh	2110	
			Sweet corn, processed	4110	
319			Sweet potatoes	31	
	Rice, wild		Sweetclover seed	208	
178					
	Rutabagas		Tall fescue seed	44	
			Teff	199	
147			Timothy hay and clover	310	
	Rye	22	Timothy seed	45	
	Ryegrass seed		Tobacco transplants from beds	175	
			Tobacco, burley	193	
136			Tobacco, flue-cured	196	
			Tobacco, other	32	
	Safflower	98	Tomatoes, fresh	2134	
	Sage		Tomatoes, processed	4134	
			Triticale	162	
168			Tung nuts	51	
	Sesame		Turnip greens	189	
			Turnips	145	
152					
			Vegetables, other	236	

Vegetables, seeds	37	Wheatgrass seed	201
Vetch seed, hairy	39	Wheat, all	34
		Wheat, all, for seed	172
Watercress		Wheat, durum	163
		Wheat, other spring	164
238 Watermelons	33	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	P ₂ O ₅	K ₂ O	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	--	---
Naturalene	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	D/L	Class	Product Code	Product Name
L	H	4758	2,4-D Amine	L	H	4786	Backdraft
L	H	4377	2,4-D Amine 4	L	H	4823	Balance Pro
L	H	4759	2,4-D Amine 4 CA	D	H	4652	Balance WDG
L	H	4664	2,4-D Amine 6	L	H	4136	Banvel (4L)
L	H	4283	2,4-D L.V. 4 Ester	L	H	4617	Banvel + 2,4-D
L	H	4271	2,4-D Lo-V Ester	L	H	4327	Banvel SGF (2EC)
L	H	4562	2,4-D LV4	L	H	4676	Banvel-K + Atrazine
L	H	4480	2,4-D LV6	L	H	4808	Barrage
L	H	4006	AAtrex 4L	L	H	4531	Barrage HF
D	H	4008	AAtrex Nine-O (WP)	L	H	4019	Basagran
L	H	4689	Abolish 8 EC	L	H	4796	Basagran T/O
D	H	4648	Accent Gold	D	H	4521	Basis
D	H	4339	Accent Herbicide	D	H	4611	Basis Gold
D	I	1483	Acephate 75 WSP	L	I	1246	Baythroid 2 (EC)
D	I	1525	Acephate 90SP	D	H	4140	Beacon (75DF)
D	H	4657	Achieve 40DG	L	H	4386	Betamix (EC)
L	H	4892	Achieve SC	L	H	4387	Betanex (EC)
D	F	7239	Acrobat MZ	L	H	4920	Beyond
D	I	1858	Actara	L	H	4470	Bicep II
L	I	1427	Admire 2 Flowable	L	H	4637	Bicep II Magnum
D	H	4991	Affinity Tankmix	L	H	4638	Bicep Lite II Magnum
L	H	4351	Agasco 400 (EC)	L	H	4694	Bicep Magnum TR
D	H	4683	Aim	L	I	1213	Bidirin 8
D	MD	9370	Aim	L	H	4655	Bison
L	H	4879	Aim EC	L	H	4146	Blazer 2L
L	H	4880	Aim EW/Avalanch	D	F	7050	Bluestone
D	H	4859	Ally Extra	D	H	4149	Bolero 10G
D	H	4123	Ally XP (60DF)	D	H	4199	Bolero 15 G
D	H	4390	Amber	L	H	4324	Bolero 8EC
L	I	1975	Ambush	L	H	4795	Boundary
D	I	1975	Ambush 25WP	L	H	4963	Brash
L	I	1133	Ammo 2.5EC	D	F	7241	Bravo Ultrex
D	H	4876	Amplify	L	F	7008	Bravo Weather Stik
D	MG	9365	Apogee PGR	L	F	7193	Bravo ZN
L	H	4130	Arrosolo 3-3E	L	H	4655	Bromox/MCPA 2-2
L	H	4954	Arrow 2EC	L	H	4153	Bronate (4EC)
L	I	1004	Asana XL	L	H	4864	Bronate (Bronate Pro #2)
D	I	1882	Assail 70WP	L	H	4856	Bronate Advanced
L	H	4133	Assert (2.5EC)	L	H	4884	Buccaneer Herbicide
L	H	4371	Assure II	D	H	4155	Buckle
L	H	4041	Atrazine 4L	L	H	4024	Buctril (2EC)
L	H	4042	Atrazine 5L	L	H	4026	Buctril + Atrazine
D	H	4043	Atrazine 80 (WP)	L	H	4025	Buctril 4EC
D	H	4044	Atrazine 90DF	L	H	4027	Bullet (4EC)
D	H	4603	Authority	L	F	7534	Bumper 41.8EC
D	H	4681	Authority 75 DF	L	H	4158	Butoxone 200 (2EC)
L	H	4135	Avenge (2L)	L	H	4159	Butyrac 175
D	H	4651	Axiom DF	L	H	4160	Butyrac 200
D	I	1971	Aztec 4 67 %Granular				

D	F	7521	Cabrio EG	L	H	4803	Degree Xtra
L	H	4679	Cadre	L	I	1775	Denim
D	H	4680	Cadre DG	D	H	4038	Devrinol 50-WP
L	H	4847	Callisto (4L)	L	I	1041	Diazinon 4E
L	H	4896	Camix	D	I	1050	Diazinon 50 WP
D	H	4161	Canopy	L	H	4866	Dicamba SG
D	H	4610	Canopy XL	L	I	1718	Digon 400
L	H	4031	Caparol 4L	L	I	1212	Dimate 4EC
D	F	7088	Captan 50W	L	I	1028	Dimethoate 2.67 EC
L	I	1140	Capture 2EC	L	I	1267	Dimethoate 400
D	H	4690	Celebrity	L	I	1029	Dimethoate 4EC
D	H	4799	Celebrity Plus	L	I	1403	Dimethoate 5 lb.
D	I	1868	Centric	D	I	1145	Dimilin 25W
D	H	4919	Cerano 5 MEG	L	I	1715	Dimilin 2L
L	MG	9098	Cerone	L	H	4039	Direx 4L
L	F	7244	Champ Formula 2	D	H	4040	Direx 80DF
L	F	7231	Champ Plus	L	H	4820	Discover
L	H	4887	Cinch ATZ	L	H	4938	Discover NG
L	H	4469	Clarity (4L)	D	H	4677	Distinct (aka Overdrive)
D	H	4167	Classic (25DG)	D	I	1033	Di-Syston 15%G
L	H	4875	ClearOut 41 Plus	L	I	1034	Di-Syston 8 EC
D	H	4394	Clearpath	D	F	7127	Dithane 75DF Rainshield
L	H	4904	Clincher SF	L	F	7015	Dithane F-45 Rainshield
L	H	4169	Cobra (2E)	D	F	7016	Dithane M-45 (WP)
L	H	4170	Collego	L	F	7318	Dithane M-45 Flowable
L	I	1008	Comite (6.55EC)	L	H	4045	Diuron 4L
L	I	1401	Comite II	D	H	4605	Diuron 80DF
L	H	4578	Command 3ME	D	H	4807	Domain
L	H	4171	Command 4EC	L	F	7592	Domark 230 ME
L	H	4841	Command Xtra	L	H	4534	DoublePlay
L	H	4173	Confidence 4EC	D	MD	9046	Dropp 50WP
L	I	1441	Confirm 2F	L	MD	9418	Dropp SC
D	F	7053	Copper Sulfate	D	MD	9290	Dropp Ultra
L	H	4872	Cornerstone	L	H	4660	Dual II Magnum
L	H	4176	Cotoran 4L	L	H	4661	Dual II Magnum SI
D	H	4178	Cotoran DF	D	H	4753	Dual IIG Magnum
L	H	4034	Cotton-Pro	L	H	4659	Dual Magnum
L	MG	9222	CottonQuik	L	H	4806	Duet
D	I	1009	Counter (15G)	L	H	4198	Durango(aka GF-1279)
D	I	1241	Counter 20CR				
L	H	4894	Credit	L	F	7226	Echo 720
L	H	4982	Credit Duo Extra	D	F	7332	Echo 90DF
L	I	1249	Curacron 8E	L	F	7329	Echo Zn
L	H	4117	Curbit EC	D	F	7287	Elite 45 DF
L	H	4180	Curtail (EC)	L	F	7465	Eminent 125 SL
L	H	4365	Curtail M (EC)	L	I	1720	Empower (aka Nutripel)
D	F	7315	Curzate 60DF	L	I	1199	Endosulfan 3EC
L	MD	9031	Cyclone	D	F	7571	Endura (70WG)
L	H	4654	Cyclone Concentrate	D	H	4956	Envoke
				L	H	4769	Envoy
L	H	4898	Dagger	D	H	4749	Epic
L	I	1665	Decis 1.5EC	L	H	4053	Eptam 7-E
L	I	1557	Declare	D	H	4973	Equip Corn Herbicide
L	MD	9049	Def 6 Emulsifiable Def	L	F	7515	Equus 720
L	H	4849	DEFINE SC (aka Flufenacet 4 SC)	L	H	4203	Esteron 6E
L	MD	9014	Defol 6	L	H	4900	ET
				L	MG	9207	Ethephon 6

D	H	4855	Everest 70%	L	H	4685	Grandstand R or CA
D	H	4055	Evik 80W	L	H	4393	Grasp
D	H	4523	Exceed 64.6 DF	L	H	4484	Grazon ET
D	H	4205	Express (DF)	L	H	4494	Guardsman Herbicide
L	H	4756	Extreme	L	H	4852	Guardsman Max
				L	I	1152	Guthion 2L
D	H	4336	Facet 50WP				
D	H	4693	Facet 75 DF	D	H	4139	Harmony Extra XP
D	H	4760	Facet GR	D	H	4137	Harmony GT XP
L	MG	9114	Fair 85	L	H	4602	Harness
L	H	4210	Fallow Master	D	H	4650	Harness 20G
D	H	4211	Far-Go Granular (10%)	L	H	4529	Harness Xtra
L	H	4642	Field Master	L	H	4649	Harness Xtra 5.6L
D	H	4214	Finesse	L	MD	9048	Harvade - 5F
L	MG	9220	Finish	L	F	7522	Headline
L	MG	9283	Finish 6	L	F	7603	Headline SBR
D	H	4643	FirstRate				
L	H	4532	Flexstar	L	H	4955	Helosate Plus
L	MD	9047	Folex 6EC	L	H	4221	Hi-Dep
L	F	7254	Folicur 3.6 F	L	H	4065	Hoelon 3EC
D	I	1440	Force 3G	D	H	4517	Hornet
L	H	4291	Formula 40	D	H	4861	Hornet WDG
D	I	1678	Fortress 2.5 G				
D	I	1397	Fortress 5 G	L	H	4333	Ignite (only for cotton)
L	H	4448	Frontier 6.0	D	F	7240	Indar 75 WSP
D	H	4644	Frontrow	L	I	1863	Intrepid 2F
L	H	4597	Fultime Herbicide	L	H	4969	Intrro
D	I	1259	Furadan 10G	D	I	1901	Intruder WSP
D	I	1053	Furadan 15G	D	I	1974	Javelin WG
L	I	1054	Furadan 4F				
D	I	1151	Furadan 5G	L	I	1252	Karate (1EC)
L	I	1374	Fury 1.5 EC	L	I	1707	Karate Z
L	H	4492	Fusilade DX	D	H	4066	Karmex DF
L	H	4442	Fusion	L	I	1062	Kelthane MF
L	I	1521	Fyfanon ULV 9.9lbs	L	H	4888	Keystone
				L	I	1470	Knack
D	H	4962	Gangster				(aka Esteem 0.86EC)
D	H	4915	Gangster FR				
D	H	4964	Gangster V (aka Valor)	L	H	4629	L Treflan HFP
D	H	4839	Gauntlet	L	H	4524	Laddok S-12
D	F	7499	Gavel 75DF	L	H	4229	Landmaster BW
L	MD	9164	Ginstar EC	L	I	1064	Lannate LV (2.4 lbs.)
D	H	4125	Glean FC (75DF)	D	I	1065	Lannate SP
L	H	4882	Gly Star Plus	L	F	7483	Laredo EC
L	H	4990	Gly-4 Plus	L	H	4230	Lariat (4F)
L	H	4580	Glyfos X-TRA	L	I	1066	Larvin 3.2
L	H	4840	Glyphomax	D	I	1384	Larvin DF
L	H	4999	Glyphomax XRT	L	H	4069	Lasso (4EC)
L	H	4890	Glyphosate 4	L	H	4150	Layby Pro
L	H	4838	Glyphosate Original	L	H	4665	LeadOff
L	H	4886	G-Max Lite	D	I	1671	Lepinox WDG
L	H	4542	Goal 2XL	L	I	1814	Leverage 2.7
L	H	4314	Gramoxone Extra	L	H	4989	Lexar Herbicide
L	H	4402	Gramoxone Inteon	L	H	4640	Liberty
L	H	4404	Gramoxone Max	L	H	4678	Liberty ATZ
L	MD	9399	Gramoxone Max	D	H	4607	Lightning DG
L	H	4064	Gramoxone Super	L	H	4074	Linex 4L

D	H	4233	Londax (60DF)	D	I	1102	Orthene 75 S
D	H	4077	Lorox DF	D	I	1481	Orthene 75 WSP
D	I	1068	Lorsban 15G	D	I	1509	Orthene 90 WSP
L	I	1069	Lorsban 4E	D	I	1258	Orthene 90S
D	I	1070	Lorsban 50W	D	I	1822	Orthene 97
L	H	4522	Low Vol 4 Ester	D	I	1316	Orthene Tobacco Insect Spray
L	H	4885	Lumax				
L	H	4826	LV 400 2,4-D	D	H	4951	Osprey
L	H	4906	Mad Dog Glyphosate	L	H	4940	Outlaw (aka Bushwhacker)
L	I	1085	Malathion 5 EC (55%)				
L	I	1725	Malathion 5 EC (56%)	L	H	4862	Outlook
L	I	1236	Malathion 5 EC (57%)				
L	I	1228	Malathion 8E	D	H	4569	Peak (WDG)
L	I	1157	Malathion ULV 9.7lbs	D	F	7098	Pencozeb 75DF
L	F	7064	Manex	D	F	7026	Pencozeb 80WP
D	F	7025	Manzate 75DF	L	H	4813	Pendimax 3.3
L	H	4235	Marksman	L	I	1164	Penncap-M
D	H	4566	Matrix (aka Shadeout)	L	MG	9397	Pentia
D	H	4791	Maverick	L	I	1902	Permethrin 3.2 AG
L	H	4293	MCP 4 Ester	D	H	4525	Permit
L	H	4292	MCP Amine 4	L	I	1884	Perm-UP 3.2 EC
L	H	4513	MCPE Phenoxy	L	MG	9137	PGR-IV
L	MG	9405	Mepex Plus	D	I	1240	Phorate 20-G
L	MG	9188	Mepichlor 4.2% Liquid	L	MG	9299	Pix
L	MG	9420	Mepiquat Chloride, Farm Saver	L	MG	9099	Pix Concentrate
				L	MG	9295	Pix Plus
L	F	7396	Mertect 340-F	L	MG	9038	Pix Ultra
L	H	4231	Micro-Tech	L	H	4329	Pledge 4SL
D	F	7449	Microthiol Disperss	L	H	4081	Poast (1.5 EC)
L	H	4491	Mirage (4EC)	L	H	4703	Poast 3.5
L	I	1082	Mocap EC	L	H	4334	Poast Plus (1EC)
L	I	1329	Monitor 4	D	MG	9107	Polado L
L	H	4144	MSMA 4 Plus	D	I	1105	Pounce 1.5 G
L	H	4194	MSMA 6 Plus	D	I	1106	Pounce 25WP
L	H	4147	MSMA 6.6 (EC)	L	I	1107	Pounce 3.2EC
L	I	1363	Mustang	L	MG	9039	Prep brand Ethephon
L	I	1895	Mustang Max	L	MG	9100	Prime+ EC
				L	H	4084	Princep 4L
L	H	4916	Newpath Herbicide	D	H	4249	Princep Caliber 90
D	H	4692	NorthStar	L	H	4573	Prism (aka Select)
L	H	4388	Nortron EC	D	F	7568	Pristine
L	H	4590	Nortron SC Flowable Herbicide	L	I	1972	Proaxis
				L	H	4712	Progress
D	I	1546	Nufos 15 G	L	I	1057	Prolex
L	I	1547	Nufos 4E	L	H	4164	Propanil 3E
				L	H	4213	Propanil 4E
L	MG	9108	Off-shoot-T 85	D	H	4337	Propanil WDG (50%)
L	I	1278	Oil	L	F	7528	PropiMax EC
D	H	4195	Olympus Flex	L	H	4360	Prowl 3.3 EC
D	H	4860	Option	D	H	4504	Prowl DG
L	H	4138	Oracle Dicamba	L	H	4942	Prowl H2O
D	H	4242	Ordram 15-G	L	H	4581	Puma 1EC (Bronate Pro)
D	H	4406	Ordram 15-GM	L	H	4254	Pursuit
L	H	4243	Ordram 8-E	D	H	4505	Pursuit DG
L	F	7199	Orius 3.6 F	L	H	4255	Pursuit Plus EC
D	F	7201	Orius 45 WP	D	H	4646	Python WDG
D	F	7200	Orius 45DF				

L	F	7291	Quadris (aka Abound)	L	I	1093	Sevin RP4
L	F	7085	Quadris Opti	L	I	1019	Sevin SL
L	F	7575	Quilt	L	I	1092	Sevin XLR Plus
				L	MG	9062	Sevin XLR Plus
D	F	7141	Rally 40W	L	H	4554	Shotgun Flowable Herbicide
L	H	4604	Raptor	L	H	4048	Simazine 4L
D	H	4750	Rave	D	H	4049	Simazine 80 W
L	H	4256	Reflex	D	H	4342	Simazine 90DF
L	I	1552	Regent 4 SC	D	H	4098	Sinbar (80WP)
D	I	1532	Regent 80 WG	L	MD	9079	Sodium Chlorate 2lb.
D	H	4905	Regiment	L	MD	9186	Sodium Chlorate 5lb.
L	MG	9394	Reglone	L	MD	9018	Sodium Chlorate 6lb.
L	H	4527	Resource	L	H	4487	Solve MCPA Ester
L	H	4500	Rezult	L	H	4507	Sonalan HFP
L	H	4398	Rezult B	D	H	4705	Spartan
L	H	4784	Rezult G	L	I	1543	SpinTor 2SC
L	H	4903	Rhino	D	H	4641	Spirit
L	H	4078	Rhomene MCPA Amine	L	H	4269	Squadron
L	H	4262	Rhonox (EC)	L	H	4389	Stam 4SC
L	H	4897	RiceStar HT	D	H	4338	Stam 80 EDF
L	F	7286	Ridomil Gold EC	L	H	4270	Stam M4
D	F	7307	Ridomil Gold GR	D	H	4560	Staple
D	F	7341	Ridomil Gold PC	L	H	4868	Starane + Saber
D	F	7323	Ridomil Gold WSP	L	H	4819	Starane + Salvo
L	I	1977	Rimon 0.83EC	L	H	4863	Starane + Sword
D	F	7174	Ronilan DF (50%)	L	H	4628	Starane EC
L	H	4700	Roundup Custom	L	MD	9080	Starfire (1.5L)
L	H	4564	Roundup Export	D	H	4845	Steadfast
L	H	4093	Roundup Original	D	H	4924	Steadfast ATZ
L	MD	9172	Roundup Original	L	H	4802	Sterling
L	H	4315	Roundup Original II	L	I	1806	Steward
L	MD	9342	Roundup Original II	L	H	4320	Stinger (3EC)
L	H	4939	Roundup Original Max	L	H	4272	Storm
L	H	4707	Roundup Pro	L	F	7513	Stratego
L	H	4561	Roundup Ultra	D	H	4901	Strongarm
L	MD	9281	Roundup Ultra	L	I	1529	Success
D	H	4762	Roundup Ultra Dry	L	MG	9119	Sucker Plucker Concentrate (85%)
L	H	4881	Roundup Weather Max	D	I	1394	Sulfur 92%
L	MG	9008	Royal MH-30	D	F	7129	Sulfur Dusting (92%) (aka Honey Dew)
L	H	4857	RT Master	L	MD	9009	Sulfuric Acid Potato Vine Desiccant
				L	MG	9260	Super Boll
L	H	4675	Saber	L	F	7073	Super Tin 4L
L	H	4846	Salvan (Cornbelt)	D	F	7215	Super Tin 80WP
L	H	4265	Salvo	D	H	4950	Suprend
D	H	4874	Sandea	L	H	4516	Surpass 100
D	H	4391	Savage	D	H	4577	Surpass 20 G
L	H	4266	Scepter	L	H	4103	Surpass 6.7-E
D	H	4318	Scepter 70DG	L	H	4515	Surpass EC
L	I	1170	Scout X-Tra	D	F	7393	Switch 62.5WG
L	H	4396	See MCPA Ester	D	H	4501	Synchrony STS
L	H	4447	Select 2 EC				
L	H	4095	Sencor 4	L	I	1467	Taiga Z
D	H	4096	Sencor DF (75%)	L	H	4403	Targa
L	H	4960	Sequence				
L	I	1132	Sevin 4F				
D	I	1018	Sevin 80S				
D	I	1496	Sevin 80WSP				

L	MS	9011	Telone II	D	H	4824	UpBeet
D	I	1124	Temik 15G	L	I	1903	Up-Cyde 2.5 EC
D	I	1256	Thimet 15-G	D	H	4871	Valor WP
D	I	1127	Thimet 20-G	L	MS	9012	Vapam
L	I	1910	Thionex (Thiodan) 3EC	L	H	4317	Velpar L (2EC)
L	F	7202	Thiophanate Methyl 4.5F AG	L	H	4893	Volley ATZ Lite
L	F	7076	Tilt	L	I	1247	Vydate C-LV (3.77lbs)
L	F	7366	Tilt/Bravo	L	I	1177	Vydate L (2 Lbs)
L	H	4530	TopNotch	L	I	1987	Warhawk
D	F	7151	Topsin 85 WDG	L	I	1553	Warrior
D	F	7040	Topsin M 70WP	L	H	4204	Weed Killer 4D
L	H	4281	Tordon 22K (2EC)	L	H	4003	Weedar 64
L	H	4662	Touchdown 5	L	H	4295	Weedmaster
L	H	4922	Touchdown CF	L	H	4296	Weedone 638
L	H	4848	Touchdown Herbicide	L	H	4298	Weedone LV4
L	I	1526	Tracer				Solventless
L	H	4983	Treflan 4L	L	H	4299	Weedone LV6
D	H	4508	Treflan 5G	L	H	4308	Wham! EZ
L	H	4108	Treflan E.C.	L	H	4309	Whip 1EC
L	H	4629	Treflan HFP	L	H	4379	Whip 360
D	H	4111	Treflan TR-10	L	H	4945	WideMatch
L	H	4450	Trifluralin 4 (EC)	L	H	4946	WideMatch M
L	H	4112	Trilin	L	H	4899	WildCard
D	H	4285	Trilin 10G	L	H	4247	Wise Up
L	F	7321	Trilogy				(aka Meychem
L	I	1899	Trimax				Glyphosate)
L	H	4815	Trust 4EC	D	H	4858	Yukon Herbicide
L	H	4867	Turret	L	I	1983	Yuma 4E
L	H	4843	Ultra Blazer	L	I	1289	Zephyr 0.15 EC

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

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

Section F Pesticide Application Methods

<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 71 Banded/side-dressed 72 Banded/side-dressed, w/ hood 73 Banded/side-dressed, foliar 76 T-Banded (Combo of banded and injected), soil <p>SPOT TREATMENTS</p> <ul style="list-style-type: none"> 91 Spot treatment 92 Spot treatment, w/ hood 93 Spot treatment, foliar
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Section H Irrigation System Type Codes

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

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

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

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

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

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

PACKERS

- 51 Culti-packer
(Pulverizer, Crow-foot,
Serrated, Ring, Spiral)

Roller-packer

- 52 Attachment, Plow Packer
- 53 Smooth & Flat, Roller Packer

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

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

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

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)

**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

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

PEANUT EQUIPMENT

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

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

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

TRUCKS

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

**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

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

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

