

**AGRICULTURAL RESOURCE  
MANAGEMENT STUDY  
SOYBEAN  
PRODUCTION PRACTICES REPORT  
for 2000**

**RESPONDENT BOOKLET**

## SEED VARIETY CODE LIST for SOYBEANS

Section B, item 19 .....

- 1 Genetically-modified **herbicide resistant** seed variety
- 2 Genetically-modified **herbicide resistant** seed variety
- 6 Variety planted not listed above

## REASONS FOR SEED VARIETY

Section B, item 20 .....

- 1 Increase yields through improved pest  
(*weed or insect*) control?
- 2 Decrease pesticide input costs?
- 3 Decrease machinery costs?
- 4 Improve ability to use or ease of using reduced tillage or no-till  
systems?
- 5 Improve ability to ease of rotating crops?
- 6 Save management time or labor or improve ease of management?
- 7 Adopt more environmentally-friendly practices?
- 8 For some other reason(s)?

## FERTILIZER / PESTICIDE APPLICATION METHODS

Section C, Column 6

&

Section D, Column 9 .....

- 1 BROADCAST, GROUND WITHOUT INCORPORATION
- 2 BROADCAST, GROUND WITH INCORPORATION
- 3 BROADCAST, BY AIR
- 4 IN SEED FURROW
- 5 IN IRRIGATION WATER
- 6 CHISEL/INJECTED OR KNIFED IN
- 7 BANDED/SIDEDRESSED IN OR OVER ROW
- 8 FOLIAR OR DIRECTED SPRAY
- 9 SPOT TREATMENTS

## Section C, Item 4

**Common Fertilizers and Their Percent Analysis**

[Enumerator Note: *If Respondent cannot report the formulation for Section C, item 1, enter the formulations below.*]

Name	Percent Active Ingredients				RANGE
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	S	
Anhydrous ammonia . . . . .	82	--	--	--	
Aqua ammonia . . . . .	20	--	--	--	<b>16-30% N</b>
Ammonium nitrate . . . . .	33	--	--	--	<b>33-34% N</b>
Ammonium sulfate . . . . .	21	--	--	--	<b>20-21% N</b>
Nitrogen solutions . . . . .	28	--	--	--	<b>7-58% N</b>
Sodium nitrate . . . . .	16	--	--	--	
Urea . . . . .	46	--	--	--	<b>45-46% N</b>
Urea ammonium nitrate . . . . .	32	--	--	--	
Super phosphate (22 % & under) . . .	--	19	--	--	<b>18-22% P</b>
Super phosphate (over 22 %) . . . . .	--	30	--	--	<b>23-39% P</b>
Triple Super Phosphate . . . . .	--	46	--	--	<b>40-54% P</b>
Ammonium phosphate . . . . .	11	48	--	--	
Di-ammonium phosphate . . . . .	18	46	--	--	
Mono-ammonium phosphate . . . . .	11	52	--	--	
Potassium chloride . . . . .	--	--	60	--	<b>50-62% K</b>
Potassium nitrate . . . . .	13	--	44	--	
Potassium sodium nitrate . . . . .	15	--	14	--	
Mixed Fertilizer . . . . .	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	--		
Soil sulfur . . . . .	--	--	--	92	
Sulfur-bentonite . . . . .	--	--	--	90	
Sulfur dioxide . . . . .	--	--	--	50	
Ammonium polySulfide . . . . .	20	--	--	45	
Ammonium sulfate . . . . .	21	--	--	24	
Ammonium thiosulphate solution . . .	12	--	--	26	
Diammonium phosphate-sulfur . . . . .	16	40	--	13	
Potassium sulfate . . . . .	--	--	50	18	<b>48-52% K</b>
Potassium-magnesium sulfate . . . . .	--	--	22	22	

## CHEMICALS and PESTICIDES for SOYBEANS

H=HERBICIDE; I=INSECTICIDE; F=FUNGICIDE; M=MISC. OTHER; MG=GROWTH REGULATOR; MR=RODENTICIDE; MS=SOIL FUMIGANT

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
			<b>2,4,D</b>				<b>Assure</b>
L	H	4351	2,4-D/Agasco 400 (EC)	L	H	4134	Assure
L	H	4377	2,4-D/Amine 4	L	H	4371	Assure II
L	H	4444	2,4-D/Class 40A				<b>Atrazine</b>
I	H	4531	2,4-D/Barrage	L	H	4041	Atrazine 4L
L	H	4443	2,4-D/Class LV4	D	H	4044	Atrazine 90DF
L	H	4003	2,4-D/Dacamine				<b>Authority</b>
L	H	4001	2,4-D/Dacamine 4D	D	H	4603	Authority Broadleaf
D	H	4184	2,4-D/Defy	D	H	4681	Authority (DG)
L	H	4361	2,4-D/Envy	D	H	4651	Axiom DF
L	H	4204	2,4-D/Esteron 99 Concentrate	D	I	1468	Aztec 2.1 Granular
L	H	4291	2,4-D/Formula 40				<b>Banvel (4L)</b>
L	H	4221	2,4-D/Hi-Dep	L	H	4136	Banvel (4L)
L	H	4562	2,4-D/Riverside LV4	L	H	4019	Basagran (4L)
L	H	4265	2,4-D/Salvo	L	I	1246	Baythroid 2 (EC)
D	H	4391	2,4-D/Savage	D	H	4140	Beacon (75DF)
L	H	4488	2,4-D/Weed Pro 6Lb.				<b>Benlate</b>
L	H	4306	2,4-D/Weed-Rhap LV-4D	D	F	7004	Benlate
L	H	4307	2,4-D/Weed-Rhap A-4D	D	F	7003	Benlate (50WP)
L	H	4296	2,4-D/Weedone 638	L	H	4386	Betamix (EC)
L	H	4298	2,4-D/Weedone LV4				<b>Bicep</b>
L	H	4299	2,4-D/Weedone LV6	L	H	4021	Bicep 6L
D	I	1672	Able	L	H	4470	Bicep II
D	H	4339	Accent 75DG	L	H	4146	Blazer 2L
L	H	4461	Accord	L	I	1139	Bolstar 6EC
D	H	4657	Achieve 40DG				<b>Bravo</b>
L	H	4009	Alanap-L	L	F	7007	Bravo 500 (4.17EC)
			<b>Ambush</b>	L	F	7008	Bravo Weather Stik (6EC)
L	I	1002	Ambush (2EC)	D	F	7009	Bravo 90 DG
D	I	1001	Ambush 25W	D	F	7241	Bravo Ultrex (82.5 WDG)
			<b>Amiben</b>				<b>Broadstrike</b>
D	H	4012	Amiben DS	L	H	4489	Broadstrike + Dual
D	H	4013	Amiben Granular (10%)	L	H	4493	Broadstrike + Treflan
L	H	4011	Amiben (2S)	D	H	4596	Broadstrike WDG
			<b>Apron</b>	L	H	4154	Bronco (4EC)
L	F	8701	Apron Flowable	L	H	4024	Buctril (2EC)
L	F	8718	Apron XL LS	L	H	4380	Bugle (EC)
			<b>Arena</b>	L	H	4027	Bullet (4EC)
L	H	4128	Arena 4EC	L	MG	9032	Burst Yield Booster
L	H	4495	Arena ME (4EC)				<b>Butoxone</b>
L	H	4131	Arrow 4EC	L	H	4311	Butoxone (1.75 EC)
			<b>Asana</b>	L	H	4158	Butoxone 200 (2EC)
L	I	1003	Asana (1.9EC)	D	H	4696	Butoxone 7500
L	I	1004	Asana XL (.66EC)				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
			<b>Butyrac</b>	D	H	4035	Dacthal W75
L	H	4159	Butyrac 175 (1.75EC)	D	H	4183	Dalapon 85WP
L	H	4160	Butyrac 200 (EC)	L	I	1557	Declare Insecticide
L	H	4029	Cannon (3EC)	L	MD	9285	Defol 750
			<b>Canopy</b>	L	H	4535	Detail (EC)
D	H	4161	Canopy (75DG)	D	H	4588	Devrinol
D	H	4610	Canopy XL	D	I	1033	Di-syston 15%G
D	H	4593	Caparol Accu-Pak				<b>Diazinon</b>
			<b>Carbaryl</b>	D	I	1043	D-z-n Diazinon 14G
L	I	1011	Carbaryl 4L	D	I	1044	D-z-n Diazinon 50W
D	I	1012	Carbaryl 50W	L	I	1045	D-z-n Diazinon AG500 (4E)
D	I	1014	Carbaryl 80S (WP)	L	I	1041	Diazinon 4E
L	H	4163	Carbyne 2 EC	D	I	1047	Diazinon 14G
L	I	1482	Chlorpyrifos 4E AG	D	I	1361	Diazinon 5 Granules
L	H	4469	Clarity 4L	D	I	1050	Diazinon 50W
L	H	4513	Class MCPA	L	I	1046	Diazinon AG500 (4E)
D	H	4167	Classic (25DG)				<b>Dimethoate</b>
L	H	4169	Cobra (2E)	L	I	1028	Dimethoate 2.67EC
			<b>Command</b>	L	I	1267	Dimethoate 400
L	H	4578	Command 3ME	L	I	1029	Dimethoate 4EC
L	H	4171	Command 4EC	L	I	1403	Dimethoate 5Lb.
L	H	4172	Commence EC				<b>Dimilin</b>
D	H	4467	Concert 25DF	D	I	1145	Dimilin 25W
			<b>Conclude</b>	L	I	1352	Dimilin 4L
L	H	4565	Conclude B&G				<b>Dipel</b>
L	H	4698	Conclude Ultra B&G	D	I	1023	Dipel 2X (WP)
L	H	4697	Conclude Xtra B&G	L	I	1024	Dipel 4L
L	H	4173	Confidence 4EC	L	I	1025	Dipel ES
			<b>Condor</b>	D	I	1026	Dipel WP
L	I	1282	Condor	L	H	4313	Diquat
D	I	1670	Condor (WP)	L	H	4039	Direx 4L
D	I	1528	Costar Biological Insecticide	D	H	4046	Diuron 80W
L	H	4176	Cotoran 4L				<b>Dividend</b>
D	H	4350	Cropstar GB	L	F	8724	Dividend
L	H	4654	Cyclone Concentrate	L	F	8741	Dividend XL
L	I	1027	Cygon 400 (4EC)	D	H	4188	Dowpon M (85 WP)
			<b>Cythion</b>	D	H	4225	DSMA 81 P
L	I	1141	Cythion 57% EC				<b>Dual</b>
L	I	1360	Cythion 8 Aquamul	L	H	4051	Dual (8E)
L	MG	9081	Cytokinin Bioregulator	D	H	4050	Dual 25G
L	M	9269	Cytoplex HMS	L	H	4466	Dual II
D	I	1042	D-264 14G	L	H	4511	Dual 4E
				L	H	4659	Dual Magnum
				L	H	4460	Dual II Magnum
				L	H	4661	Dual II Magnum SI
				D	H	4753	Dual IIG Magnum
				D	I	1040	Dylox 80% SP

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	MG	9277	Early Harvest	L	I	1055	Guthion 2S
			<b>Echo</b>	D	I	1056	Guthion 35% WP
L	F	7329	Echo 500	D	H	4139	Harmony Extra (DF)
D	F	7331	Echo 75 WDG	L	H	4065	Hoelon 3EC
D	F	7332	Echo 90DF	L	H	4222	Honcho
			<b>Enide</b>	L	H	4333	Ignite 1SC
D	H	4497	Enide 50W	L	H	4373	Judge
D	H	4052	Enide 90W	L	H	4372	Jury
L	I	1148	Ethyl Parathion 8	L	I	1252	Karate (1EC)
D	H	4056	Evital 5% Granular	D	H	4066	Karmex DF
D	H	4523	Exceed 64.6 DF				<b>Landmaster</b>
D	H	4205	Express (DF)	L	H	4229	Landmaster BW
D	H	4209	Extrazine II DF	L	H	4326	Landmaster II
L	H	4210	Fallow Master				<b>Lannate</b>
L	H	4057	Far-Go (4EC)	L	I	1063	Lannate L (1.8 lbs.)
L	H	4615	Finale	L	I	1064	Lannate LV (2.4 lbs.)
D	H	4643	First Rate	D	I	1065	Lannate (90WSP)
L	H	4532	Flexstar	L	I	1066	Larvin 3.2
D	I	1149	Force 1.5 G	L	I	1067	Larvo-Bt
L	H	4215	Freedom				<b>Lasso</b>
L	H	4448	Frontier 6.0	L	H	4069	Lasso (4EC)
D	H	4644	Frontrow	D	H	4070	Lasso II (15G)
			<b>Furadan</b>	L	MD	9230	Leafex 3
D	I	1053	Furadan 15G	L	H	4460	Lentagran EC
L	I	1054	Furadan 4F	D	I	1671	Lepinox WDG
			<b>Fusilade</b>				<b>Lexone</b>
L	H	4060	Fusilade 2000 (1EC)	L	H	4072	Lexone 4L
L	H	4492	Fusilade DX	D	H	4073	Lexone DF
L	H	4442	Fusion	L	H	4640	Liberty
L	H	4217	Galaxy				<b>Linex</b>
L	I	1555	Gemstar LC	L	H	4074	Linex 4L
L	H	4063	Goal 1.6E	D	H	4075	Linex 50DF
			<b>Golden Dew</b>	L	H	4047	Linuron 4L
D	I	1682	Golden Dew				<b>Lorox</b>
D	F	7333	Golden Dew	D	H	4077	Lorox DF (50%)
			<b>Gramoxone</b>	L	H	4076	Lorox L (4lbs.)
L	H	4314	Gramoxone Extra (2.5L)	D	H	4234	Lorox Plus (60DG)
L	H	4064	Gramoxone Super (1.5L)				<b>Lorsban</b>
D	H	4218	Gemini (60DG)	D	I	1068	Lorsban 15G
L	H	4580	Glyfos	L	I	1069	Lorsban 4E
			<b>Guthion</b>				
L	I	1152	Guthion 2L				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
D	I	1443	M-Peril	D	H	4352	Partner WDG
			<b>MVP</b>	L	H	4244	Passport
L	I	1507	MVP Bioinsecticide	L	I	1164	Pennacap-M (2 lbs.)
L	I	1232	MVP II Bioinsecticide	D	H	4525	Permit 75DF
			<b>Malathion</b>				<b>PGR-IV</b>
L	I	1236	Malathion 5EC (57%)	L	MG	9137	PGR-IV
L	I	1094	Malathion 95% Spray	D	MG	9301	PGR-IV Granule
L	I	1157	Malathion ULV 9.33 Lb. 95%	D	H	4245	Pinnacle (25DF)
L	H	4579	Manifest B&G	L	H	4329	Pledge (4SL)
L	H	4612	Matador Herbicide				<b>Poast</b>
D	H	4566	Matrix (aka Shadeout)	L	H	4081	Poast (1.5 EC)
L	I	1472	Mattch Bioinsecticide	L	H	4703	Poast HC (3.5EC)
L	H	4292	MCP Amine 4	L	H	4334	Poast Plus (1EC)
			<b>Methoxychlor</b>	L	MG	9231	Poly-Foliant V
L	I	1074	Methoxychlor 2EC				<b>Pounce</b>
L	I	1075	Methoxychlor 4L	D	I	1106	Pounce 25WP
D	I	1076	Methoxychlor 50WP	L	I	1107	Pounce 3.2EC
			<b>Methyl Parathion</b>	L	H	4082	Prefar 4E
L	I	1158	Methyl Parathion 4EC	L	H	4246	Prelude E W (EC)
L	I	1086	Methyl Parathion 6EC	L	H	4570	Prestige (1EC)
L	I	1088	Methyl Parathion 7.5EC	D	H	4248	Preview
L	H	4231	Micro-Tech				<b>Princep</b>
			<b>Mocap</b>	L	H	4084	Princep 4L
D	I	1080	Mocap 10G	D	H	4249	Princep Caliber 90
D	I	1081	Mocap 15G				
L	I	1082	Mocap EC	L	MD	9279	Protocol
L	H	4238	Modown 4F				<b>Prowl</b>
L	H	4193	Molinate 8E	L	H	4086	Prowl (4EC)
L	H	4636	Moxy + Atrazine	L	H	4360	Prowl 3.3 EC
			<b>MVP</b>	D	H	4504	Prowl DG
L	I	1507	MVP Bioinsecticide	D	I	1113	Proxol 80 SP
L	I	1232	MVP II Bioinsecticide	D	H	4253	Prozine 70DF
D	H	4080	Norosac 4G				<b>Pursuit</b>
			<b>Nudrin</b>	L	H	4254	Pursuit (2EC)
L	I	1098	Nudrin 1.8	D	H	4505	Pursuit DG
D	I	1099	Nudrin 90 (WSP)	L	H	4255	Pursuit Plus (EC)
D	I	1546	Nufos 15G	L	I	1114	Pydrin 2.4 EC
L	H	4240	Option II (EC)	D	H	4646	Python WDG
			<b>Orthene</b>				<b>Ramrod</b>
D	I	1258	Orthene 90 S	D	H	4088	Ramrod 20 (G)
D	I	1102	Orthene 75 S	D	H	4090	Ramrod 65 (WP)
L	I	1153	Parathion-Methyl Parathion 6-3EC	L	H	4089	Ramrod Flowable (4L)
D	MG	9301	PGR-IV Granule	L	H	4092	Ranger (2EC)
				L	H	4328	Rattler
				L	H	4568	Remedy
				L	H	4259	Rescue

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4260	Reward (6EC)	D	I	1496	Sevin 80WSP
			<b>Raptor</b>	L	I	1019	Sevin XLR Plus (4E)
L	H	4604	Raptor	D	H	4342	Simazine 90F
D	H	4699	Raptor DG	D	H	4671	Skirmish
				L	I	1370	Sniper 2E
L	H	4256	Reflex 2LC				<b>Sodium Chlorate</b>
D	I	1653	Regent 80 WG				Sodium Chlorate 3lb
L	H	4563	Reliance STS SP	L	MD	9040	Sodium Chlorate 2lb
L	H	4527	Resource 0.86 EC	L	MD	9079	Sodium Chlorate 6lb
L	H	4500	Rezult				<b>Sonalan</b>
L	H	4261	Rhomene (4L)	D	H	4474	Sonalan 10G
			<b>Ridomil</b>	L	H	4100	Sonalan (3EC)
L	F	7027	Ridomil 2E	L	H	4507	Sonalan HFP
D	F	7071	Ridomil 5G				
L	F	7286	Ridomil Gold EC	L	H	4269	Squadron (EC)
D	F	7341	Ridomil Gold PC	L	MD	9080	Starfire (1.5L)
D	F	7342	Ridomil Gold PC GR	L	H	4598	Status Herbicide
			<b>Roundup</b>				
L	H	4700	Roundup Custom	L	H	4473	Stall 4E
L	H	4376	Roundup D-Pak	D	H	4560	Staple
L	H	4564	Roundup Export	L	H	4582	Steel
D	H	4702	Roundup EZ Dry	L	H	4571	Stellar Herbicide
L	H	4315	Roundup Original RT	L	MG	9273	Stimulate Yield Enhancer
L	H	4093	Roundup Original	L	H	4320	Stinger (3EC)
L	MD	9172	Roundup Original	L	H	4272	Storm
L	H	4561	Roundup Ultra	D	I	1284	Sulfur 90W
				L	H	4273	Surefire Herbicide (3EC)
L	M	8707	RTU-Vitavax-Thiram				<b>Surflan</b>
L	H	4675	Saber Herbicide	D	H	4275	Surflan 75WP
L	H	4263	Saddle 4EC	L	H	4102	Surflan AS
L	H	4264	Salute 4EC	D	H	4274	Surflan DF (85%)
L	I	1016	Savit 4F				
			<b>Scepter</b>	L	H	4515	Surpass EC
L	H	4266	Scepter (1.5L)	D	H	4501	Synchrony STS
D	H	4318	Scepter 70DG				
L	H	4267	Scepter OT (2.5L)	L	H	4278	Tackle (2L)
			<b>Scout</b>	L	MS	9011	Telone II
L	I	1169	Scout 0.3EC	D	I	1124	Temik 15G
L	I	1170	Scout X-TRA	D	F	7313	Terraclor Super X 18.8G
							<b>Thimet</b>
L	H	4447	Select 2EC	D	I	1256	Thimet 15-G
D	I	1479	Semaspore Bait	D	I	1127	Thimet 20-G
			<b>Sencor</b>				
L	H	4095	Sencor 4	L	F	8711	Thiram 42 S
D	H	4096	Sencor DF (75%)	L	H	4107	Tillam 6-E
			<b>Sevin</b>				<b>Topsin</b>
L	I	1132	Sevin 4F	L	F	7039	Topsin M 4.5F
L	I	1019	Sevin XLR Plus (4E)	D	F	7040	Topsin M 70W
D	I	1172	Sevin 50W	D	F	7151	Topsin M 85WDG
D	I	1015	Sevin 5% Bait	L	H	4601	Torpedo
D	I	1018	Sevin 80S	L	F	7316	Top Crop Flowable
				L	H	4282	Tornado (EC)



D/L	Class	Code	Product Name
			<b>Touchdown</b>
L	H	4662	Touchdown 5
L	H	4362	Touchdown 6
L	H	4332	Tough 3.75 EC
L	I	1526	Tracer
			<b>Treflan</b>
L	H	4109	Treflan 5 (EC)
L	H	4108	Treflan EC (4Lbs.)
L	H	4629	Treflan HFP
L	H	4110	Treflan MTF (4EC)
D	H	4111	Treflan TR-10 (10G)
L	H	4286	Tri-4 (EC)
D	H	4335	Trific 60DF
L	H	4287	Tri-Scept (EC)
			<b>Trifluralin</b>
L	H	4450	Trifluralin 4 (EC)
L	H	4451	Trifluralin 5 (EC)
			<b>Trilin</b>
L	H	4112	Trilin (4EC)
L	H	4113	Trilin AT (4EC)
L	H	4368	Trilin 5
D	H	4285	Trilin 10G
D	H	4369	Trilin GRP (80%)
L	H	4367	Trust (4EC)
L	H	4288	Turbo 8EC
L	H	4533	Typhoon
L	H	4317	Velpar L (2EC)
			<b>Vernam</b>
D	H	4289	Vernam 10-G
L	H	4290	Vernam 7-E
			<b>Vitavax</b>
L	F	8722	Vitavax-200
L	F	8726	Vitavax-Thiram-Lindane Flowable
L	F	8733	Vitavax Extra
			<b>Warrior</b>
L	I	1435	Warrior
L	I	1553	Warrior T
L	H	4079	Weedar Sodium MCPA (2EC)
L	H	4364	Weedone 170
L	H	4309	Whip 1EC
D	I	1685	Xentari Biological Insecticide (DF)
			<b>Zorial</b>
L	H	4673	Zorial Flowable
D	H	4310	Zorial Rapid 80 (DF)

### Conversion Codes for Liquid and 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

# TARGET PEST CODE LIST for SOYBEANS

## SECTION D, Item 1 Column 12

<b>INSECTS</b>	<b>WEEDS</b>
<b>102 BEETLES / WEEVILS</b>	<b>401 ANNUAL BROADLEAFS</b>
10201 Bean Leaf Beetle	40101 Cocklebur
10202 Blister Beetle	40106 Lambsquarter
10207 Flea Beetle	40108 Morning Glory
10208 Japanese Beetle	40110 Pigweed
10209 Mexican Bean Beetle	40111 Prickly Sida
<b>103 CUTWORMS / ARMYWORMS</b>	40115 Sicklepod
10302 Fall Armyworm	40117 Smartweed
10304 Soybean Podworm	40119 Velvetleaf
10308 Yellowstriped Armyworm	<b>402 ANNUAL GRASSES</b>
<b>107 LEAFHOPPERS</b>	40201 Barnyard Grass
10701 Potato Leafhoppers	40204 Crabgrass
<b>110 MITES</b>	40206 Foxtail
11003 Spider Mites	40212 Panicum (Torpedograss)
<b>111 MOTH / CATERPILLAR</b>	40214 Shattercane
11102 Cabbage Looper	40215 Volunteer Grains
11103 Corn Earworm	<b>404 PERENNIAL BROADLEAFS</b>
11108 Green Cloverworm	40403 Nightshade
11113 Soybean Podworm	<b>405 PERENNIAL GRASSES</b>
11115 Thistle Caterpillar	40502 Johnsongrass
11117 Velvetreen Caterpillar	<b>406 SEDGES</b>
11118 Webworm	<b>400 OTHER WEEDS</b>
11119 Woollybear Caterpillar	<b>NEMATODES</b>
<b>112 ORTHOPTERA</b>	20001 Cyst
11202 Grass hopper	20007 Root - Knot
<b>114 TRUE BUGS</b>	<b>200 Other Nematodes</b>
11405 Stink Bug	<b>OTHER REASONS FOR APPLICATION</b>
<b>115 WIREWORMS</b>	<b>902 Defoliant, Desiccant, Growth Regulator</b>
<b>100 OTHER INSECTS</b>	

## PEST MANAGEMENT INFORMATION SOURCES

Section E, item 29 .....

- 1 Extension Advisor, Publications or Demonstrations  
(County, Cooperative or University)
- 2 Farm Supply or Chemical Dealer
- 3 Commercial Scouting Service
- 4 Independent Crop Consultant or Pest Control Advisor
- 5 Other Growers or Producers
- 6 Producer Associations, Newsletters or Trade Magazines
- 7 Electronic Information Services (*World Wide Web, DTN, etc.*)
- 8 Other - (Specify \_\_\_\_\_ )
- 9 None - Operator used no **outside** information source

## MACHINERY and IMPLEMENT CODES

### PLOWS and DISKS

- 01 Chisel Plow (Big Ox)
- 02 Coulter Plow  
(Coulter Chisel, Soil Saver, Soil Conservor)
- 03 Deep Ripper  
(Knife, Bed Knife, Slide)
- 04 Disk Plow  
  
Moldboard
- 05 -Regular
- 06 -Two-way
- 07 Stubble-mulch  
(Noble Blade, Sweep/Hoeme/Muckeroy Plow)
- 08 Subsoil Ploe  
(Chisel, V-ripper)
- 09 Disk-chisel  
(Mulch Tiller)  
  
Offset Disk
- 10 -Light Disk
- 11 -Heavy Disk
- 12 One-way Disk  
(Disk Tiller)
- 13 Single Disk  
  
Tandem Disk
- 14 -Regular
- 15 -Plowing or Heavy Duty
- 16 Paraplow

### CULTIVATORS

- 21 Field Cultivator  
(Regular digger, Danish tined, Swedish tined, S-tine Cultivator, Vibra-shank harrow, Lilliston tiller)
- 22 Furrow-out Cultivator
- 23 Rotary Hoe  
  
Row Cultivator
- 24 -Shank, Rolling
- 25 -Lister, Disk
- 26 Field Cultivator  
-Heavy Duty  
(Duckfoot cultivator)
- 27 Marker
- 28 Fallow Master

### PACKERS

- 51 Culti-packer  
(Pulverizer)
- 52 Plow Packer
- 53 Roller Packer (Smooth & Flat)

### HARROWS (DRAGS)

- 31 Field Conditioner  
(Seed Bed Conditioner, Soil Conditioner, Scratcher)
- 32 Finishing Harrow  
(Harrogator)
- 33 Flex-Tine Tooth  
(Coil Line)
- 34 Multi-weeder
- 35 Rail, Pipe, Log, Plank, Etc...
- 36 Rod Weeder
- 37 Roller Harrow
- 38 Spike Tooth Harrow
- 39 Spring Tooth Harrow
- 40 Powered Spike Tooth Harrow

### BEDDERS-SHAPERS

- 41 Bedder-Shaper (Crowder)
- 42 Bed-Shaper, Bed Former  
  
Disk
- 43 -Hipper
- 44 -Row
- 45 Float
- 46 Lister (Middle-Buster or Breaker)
- 47 Rotovator-bedder
- 48 Seed Bed roller, Flat Roller)
- 49 Subsoil-Bedder, Subsoiler  
(Ripper-hipper, Tiller, No-till Disk Bedder)
- 50 Discovator

### MISCELLANEOUS TILLAGE

- 61 Land-all, Do-all, Till-all, Mix-n-till
- 62 Mulch Treader, Picker-Treader, Skew Treader
- 63 Roto-tiller (rotary tiller)
- 64 Roterra, Lely
- 65 Sand-fighter
- 66 Soil Finisher  
(Finishing tool, Mulch finisher, Tri-tiller, Task master)

### DRILLS and SEEDERS

- 101 Aerial Seeding
- 102 Broadcast Seeder  
  
Drill
- 103 Drill-Air Delivery
- 104 Grain Drill (Lister disk)
- 105 No-Till, Minimum-Till Drill, Zero-Conventional
- 106 Grain Drill (Plain)
- 107 Press Drill (Disk or Hoe)

### PLANTERS

- 111 Bedder-shaper
- 112 Lister-bedder Planter
- 113 No-till, Minimum Till
- 114 Conventional, Row Crop Planter, All Crop Planter
- 115 Air Delivery
- 116 Planter, Ridge till

### 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
- 180 Land Plane Leveler
- 181 Laser Planer

For implements codes 171-181, enter *Total Hours Operated* in the column labeled *Total Acres Covered*. *Total Acres Covered* is not meaningful for these implements.

**OTHER IMPLEMENTS**

- 191 Burn Buggy
- 192 Chaff/Straw Saver
- 193 Electric-Discharge  
Weed Killer
- 197 Rock Picker
- 198 Rock Windrower or  
Rock Rake
- 199 Rodent (Gopher) Killer
- 200 Roller groover
- 201 Rubber-Wheeled  
Weed Puller
- 202 Shredder Flail
- 203 Shredder Rotary
- 205 Stalk Shredder, Cutter
- 206 Swath Roller

## SECTION G, IRRIGATION 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 sprinklers on main line	13 PORTAL SYSTEM from lined ditches
5 CENTER PIVOT OR LINEAR MOVE with sprinklers below main line, but more than 2 feet above ground	14 ANY POLY PIPE SYSTEM
6 CENTER PIVOT OR LINEAR MOVE with sprinklers less than 2 feet above 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 sprinkler)	17 SUBIRRIGATION
9 OTHER - SPECIFY	18 OPEN DISCHARGE FROM WELL OR PUMP
	19 OTHER - SPECIFY

**Section G, item 11** .....

- 1 Retained at the end of the field with no re-use?
- 2 Re-used to irrigate on the farm?
- 3 Collected in evaporation ponds on the farm?
- 4 Drains from the farm?
- 5 There is no runoff

**Section J, item 1** .....

- 1 Individual (Sole/family Proprietorship)?
- 2 A legal Partnership?
- 3 A Family-held Corporation?
- 4 A Non-family Corporation?
- 5 Other, Including estates, trusts and cooperatives?  
(Describe \_\_\_\_\_)

**Section J, item 2** .....

- |   |                    |
|---|--------------------|
| 1 | Farm or ranch work |
| 2 | Hired manager      |
| 3 | Something else     |
| 4 | Retired            |

**Section J, item 3** .....

- |   |  |
|---|--|
| 1 | Less than high school                    |
| 2 | High school diploma or equivalency (GED) |
| 3 | Some college                             |
| 4 | Completed 4 year degree (BA or BS)       |
| 5 | Graduate school                          |

**Section J, item 5** .....

- |    |                         |
|----|-------------------------|
| 1  | Less than \$ 1,000      |
| 2  | \$ 1,000 - \$ 2,499     |
| 3  | \$ 2,500 - \$ 4,999     |
| 4  | \$ 5,000 - \$ 9,999     |
| 5  | \$ 10,000 - \$ 19,999   |
| 6  | \$ 20,000 - \$ 24,999   |
| 7  | \$ 25,000 - \$ 39,999   |
| 8  | \$ 40,000 - \$ 49,999   |
| 9  | \$ 50,000 - \$ 99,999   |
| 10 | \$ 100,000 - \$ 249,999 |
| 11 | \$ 250,000 - \$ 499,999 |
| 12 | \$ 500,000 - \$ 999,999 |
| 13 | \$1,000,000 and over    |

**Section J, item 6** .....

- |   |                                      |    |                               |
|---|--------------------------------------|----|-------------------------------|
| 1 | GRAINS and OILSEEDS                  | 8  | BEEF CATTLE                   |
| 2 | TOBACCO                              | 9  | DAIRY                         |
| 3 | COTTON                               | 10 | HOGS                          |
| 4 | VEGETABLES and MELONS                | 11 | SHEEP, GOATS, WOOL and MOHAIR |
| 5 | FRUIT TREE, NUTS and BERRIES         | 12 | EQUINE                        |
| 6 | NURSERY, GREENHOUSE and FLORICULTURE | 13 | POULTRY and EGGS              |
| 7 | OTHER CROPS                          | 14 | AQUACULTURE                   |
|   |                                      | 15 | OTHER ANIMALS                 |

