

**AGRICULTURAL RESOURCE
MANAGEMENT SURVEY
COTTON
PRODUCTION PRACTICES and
COSTS REPORT
for 2007

RESPONDENT BOOKLET**

Section B, item 13

SEED TYPE CODE LIST

- 1 Genetically-Modified **herbicide resistant** seed variety
- 2 Genetically-modified **Bt** variety for insect resistance
- 3 Stacked gene variety (*both genetically-modified insect and herbicide resistance*)
- 4 Variety planted not described above

Section B, item 14

**REASONS FOR RESISTANT
SEED VARIETY**

- 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 system?
- 5 Improve ability to use or 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? [*Specify:* _____]

Section B, item 17

**REASONS FOR NOT
PLANTING BT COTTON**

- 1 Did not expect to have enough target pests to justify the cost of the Bt cotton.
- 2 Concerned about finding a market for Bt cotton.
- 3 This field was used as refuge in 2007.
- 4 Concerned about the environmental impact of Bt cotton.
- 5 None of the above.

Section B, item 29a

FEDERAL CROP INSURANCE COVERAGE

- 1 **Basic Catastrophic Insurance** (*Federal CAT*) bought for a flat fee and protects against crop loss greater than 50% of average yield, at 55% of the price.
- 2 **Buy-up Above Basic Federal CAT** for higher levels of yield and price protection (*such as 65% of yield and 100% Price, multi peril crop insurance*).
- 3 **Revenue Insurance** include Income Protection (IP), Crop Revenue Coverage (CRC), and Revenue Assurance (RA).
- 4 **Organic Plan Insurance** includes:
 - 1) certified organic acreage,
 - 2) transitional acreage being converted to certified organic, and
 - 3) buffer zone acreage.
- 5 **Other Federal Crop Insurance** (*Group Risk Plan, Adjusted Gross Revenue, Group Risk Income Protection, etc.*).

Section C, Column 6 & Section D, Column 9

FERTILIZER/PESTICIDE APPLICATION METHODS

- 1 Broadcast, Ground without incorporation
- 2 Broadcast, Ground with incorporation
- 3 Broadcast, by aircraft
- 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 D only**)

Section C, item 4

Common Fertilizers and Their Percent Analysis

[Enumerator Note: If Respondent cannot report the formulation for Section C, item 4, use the formulations below.]

Name	Form	N	Percent Active Ingredients		
			P ₂ O ₅	K ₂ O	S
Ammonia	D/L	80	---	---	---
Ammoniated superphosphate	D	12-17	22-35	---	---
Ammonium metaphosphate	D	12	51	---	---
Ammonium nitrate	D	32-34	---	---	---
Ammonium phosphate	D	11-18	46-48	---	---
Ammonium phosphate nitrate	D	27-30	10-15	---	---
Ammonium phosphate sulfate (APS)	D	13-16	20	---	15
Ammonium polyphosphate (APP)	L	10-11	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	10-20	---	---
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	---
Mixed fertilizer		3	9	18	---
Mixed fertilizer		3	10	30	---
Mixed fertilizer		5	10	15	---
Mixed fertilizer		5	10	30	---
Mixed fertilizer		5	15	30	---
Mixed fertilizer		8	24	24	---
Mixed fertilizer		9	18	9	---
Mixed fertilizer		10	34	---	---
Monoammonium phosphate (MAP)	D	11-13	48-62	---	---
Naturalene	D/L	40	---	---	---
Nitrogen solutions	L	7-58	---	---	---
Nitric phosphate	D	12-17	22-35	---	---
Phosphate rock	D	---	2-35	---	---
Phosphoric acid	L	---	2-76	---	---
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 for Cotton, All

F = Fungicide; **H** = Herbicide; **I** = Insecticide; **M** = Misc. Other; **MD** = Defoliant/Dessicant; **MG** = Growth Regulator
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, **SC** = Soluble Concentrate, **SL** = Slurry, **SP** = Soluble powder, **W** or **WP** = Wettable powder,
WDG or **WG** = Water-Dispersible Granules, **WSP** = Water-soluble packet

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4758	2,4-D Amine	L	H	4386	Betamix (EC)
L	H	4377	2,4-D Amine 4	L	H	4470	Bicep II
L	H	4664	2,4-D Amine 6	L	I	1213	Bidrin 8
L	H	4562	2,4-D LV4 (3.80 lbs/g)	L	H	4022	Bladex 4L
L	H	4480	2,4-D LV6	D	H	4143	Bladex 90DF
L	H	4283	2,4-D L.V. 4 Ester (3.84 lbs/g)	L	H	4146	Blazer 2L
L	MD	9043	Accelerate	L	H	4324	Bolero 8EC
D	I	1483	Acephate 75 WSP	L	MG	9274	Boll'd
D	I	1525	Acephate 90SP	L	MD	9433	Boll Buster
D	I	1973	Acephate 97UP	L	MD	9041	Bolls-Eye
L	H	4351	Agasco 400 (EC)	D	I	1981	Bracket 90
L	H	4879	Aim EC	L	H	4154	Bronco (4EC)
L	H	4880	Aim EW	L	H	4884	Buccaneer
D	H	4683	Aim (40% WDG)	L	H	4025	Buctril 4EC
D	MD	9370	Aim (40% WDG)	L	H	4024	Buctril (2EC)
L	H	4443	Alachlor 4 EC	L	H	4157	Bueno 6 (EC)
L	I	1002	Ambush	L	H	4160	Butyrac 200
D	I	1975	Ambush 25W	L	H	4586	Butyrac Ester
L	I	1133	Ammo 2.5 EC	L	H	4031	Caparol 4L
L	H	4145	Ansar 529 HC	L	I	1140	Capture 2EC
L	H	4954	Arrow 2EC	L	I	1011	Carbaryl 4L
L	I	1003	Asana	L	H	4163	Carbyne 2EC
L	I	1004	Asana XL	D	I	1868	Centric
D	F	7580	Aspergillus flavus AF36	L	MB	9390	Checkmate DBM-F
D	I	1882	Assail 70WP	L	I	1482	Chlorpyrifos 4E AG
L	H	4133	Assert	L	H	4469	Clarity
L	H	4371	Assure II	L	H	4875	ClearOut 41 Plus
L	I	1722	Atrapa 5E	L	H	4169	Cobra (2E)
L	I	1723	Atrapa 8E	L	I	1008	Comite
L	H	4041	Atrazine 4L	L	I	1401	Comite II
D	I	1280	Azinphos-M 50 WP	L	H	4578	Command 3ME
L	H	4462	Banvel 720	L	H	4171	Command 4EC
L	H	4136	Banvel (4L)	L	MG	9416	Compact
L	H	4617	Banvel + 2,4-D	L	H	4872	Cornerstone
L	H	4808	Barrage	L	H	4176	Cotoran 4L
L	H	4531	Barrage HF	D	H	4177	Cotoran 80W
L	I	1969	Battery 2.5 EC	D	H	4178	Cotoran DF
L	I	1246	Baythroid 2 (EC)	L	MD	9044	Cotton-Aide HC
				L	H	4034	Cotton-Pro

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	MG	9222	CottonQuik	L	I	1025	Dipel ES
D	I	1890	Courier	D	I	1026	Dipel WP
L	H	4894	Credit	L	M	9016	Diquat Water Weed Killer
L	H	2982	Credit Duo Extra	L	H	4039	Direx 4L
L	I	1249	Curacron 8E	D	H	4040	Direx 80DF
L	H	4656	Cy-Pro 4L	L	I	1962	Discipline 2EC
L	MD	9031	Cyclone	L	H	4045	Diuron 4L
L	H	4181	Cyclone	D	H	4605	Diuron 80DF
L	H	4654	Cyclone Concentrate	D	H	4046	Diuron 80W
L	I	1433	Cymate 267	L	I	1896	Double Threat
L	MG	9081	Cytokin Bioregulator Concentrate	D	MD	9046	Dropp 50WP
L	M	9269	Cytoplex HMS	L	MD	9418	Dropp SC
D	H	4035	Dacthal W-75	D	MD	9290	Dropp Ultra
L	I	1307	Danitol 2.4 EC Spray	L	H	4189	DSMA Liquid (3.6 lbs)
L	MD	9422	DAZE 4SC	L	H	4190	DSMA Slurry (7.2 lbs)
L	I	1375	Decis 0.2EC	D	H	4050	Dual 25G
L	I	1665	Decis 1.5EC	L	H	4051	Dual 8E
L	I	1557	Declare	L	H	4466	Dual II
L	MD	9049	Def 6 Emulsifiable Defoliant	L	H	4660	Dual II Magnum
L	H	4849	DEFINE SC	L	H	4661	Dual II Magnum SI
L	MD	9291	Defol 5	D	H	4753	Dual IIG Magnum
L	MD	9014	Defol 6	L	H	4659	Dual Magnum
L	MD	9285	Defol 750	L	H	4806	Duet
D	I	1865	Deliver	L	F	7226	Echo 720
L	F	8752	Delta-Coat AD	L	I	1199	Endosulfan 3EC
L	I	1775	Denim	L	M	9239	Envirepel
L	MD	9045	Desiccant L-10	D	H	4956	Envoke
D	I	1445	Design	L	H	4769	Envoy
D	I	1033	Di-Syston 15% G	L	I	1031	Epi-mek 0.15 EC
L	I	1034	Di-Syston 8	L	H	4203	Esteron 6E
L	I	1020	Diamond 0.83EC	L	H	4900	ET
L	I	1398	Diazinon 25% Spray (2EC)	L	MD	9396	ET
L	I	1041	Diazinon 4E	L	MG	9208	Ethephon 2
L	I	1251	Dibrom 8 Miscible	L	MG	9207	Ethephon 6
L	H	4866	Dicamba SG	L	H	4208	Extrazine II 4L
L	I	1265	Dicofol 1.6 EC	D	H	4336	Facet 50WP
L	I	1320	Dicofol 4 E	D	H	4760	Facet GR
D	F	7014	Dikar (WP)	L	MG	9220	Finish
L	I	1028	Dimethoate 2.67 EC	L	MG	9283	Finish 6
L	I	1267	Dimethoate 400	L	MD	9447	Firestorm
L	I	1029	Dimethoate 4EC	L	MD	9321	First Choice Cotton Defoliant
L	I	1403	Dimethoate 5 lb.	L	MD	9438	FirstPick
L	I	1301	Dimilin 2F	D	H	4643	FirstRate (soybeans)
D	I	1023	Dipel 2X (WP)	L	H	4477	Flo-Met 4L
L	I	1024	Dipel 4L				
D	I	1516	Dipel DF				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
D	H	4478	Flo-Met 80DF	L	H	4062	Ignite 1SC (aka Rely)
L	MD	9047	Folex 6EC	L	H	4333	Ignite (only for cotton)
L	MG	9036	Foliar Triggrr	L	I	1863	Intrepid 2F
L	F	7254	Folicur 3.6 F	L	H	4969	Intrro (4E)
D	MD	9322	FreeFall	D	I	1901	Intruder WSP
L	H	4448	Frontier 6.0	L	I	1707	Karate Z
D	I	1259	Furadan 10G	L	I	1252	Karate (1EC)
L	I	1054	Furadan 4F	D	H	4066	Karmex DF
L	I	1374	Fury 1.5 EC	D	H	4810	Karmex IWC (Turf & Ornamental)
L	H	4060	Fusilade 2000 (1EC)	L	I	1060	Kelthane EC
L	H	4492	Fusilade DX	L	I	1062	Kelthane MF
L	H	4442	Fusion	L	I	1470	Knack
L	I	1521	Fyfanon ULV 9.9lbs. (96.5%)	L	I	1064	Lannate LV (2.4 lbs.)
D	H	4839	Gauntlet	L	I	1066	Larvin 3.2
L	I	1501	Gavicide Super 90	D	I	1384	Larvin 80DF
L	MD	9164	Ginstar EC	L	H	4150	Layby Pro
L	H	4990	Gly-4 Plus	L	MD	9230	Leafex 3
L	H	4908	Gly-Flo Herbicide	L	MG	9001	Leafless
L	H	4958	Gly Star Original	L	I	1814	Leverage 2.7
L	H	4882	Gly Star Plus	L	H	4640	Liberty
L	H	4580	Glyfos X-TRA	L	H	4074	Linex 4L
L	H	4840	Glyphomax	L	H	4076	Lorox L
L	H	4405	Glyphomax Plus	D	I	1068	Lorsban 15G
L	H	4890	Glyphosate 4 (Turf & Ornamental)	L	I	1069	Lorsban 4E
L	H	4838	Glyphosate Original	L	H	4522	Low Vol 4 Ester Weed Killer
L	H	4063	Goal 1.6E	L	H	4826	LV 400 2,4-D Weed Killer
L	MD	9280	Goal 1.6E	L	I	1725	Malathion 5 EC (56%)
L	H	4542	Goal 2XL	L	I	1236	Malathion 5 EC (57%)
L	H	4314	Gramoxone Extra	L	I	1085	Malathion 55
L	H	9037	Gramoxone Extra	L	I	1228	Malathion 8E
L	H	4402	Gramoxone Inteon	L	I	1157	Malathion ULV 9.7lbs. (95%)
L	H	4404	Gramoxone Max	L	F	7064	Manex
L	MD	9399	Gramoxone Max	D	H	4566	Matrix (aka Shadeout)
L	H	4064	Gramoxone Super	L	H	4944	Me-Too-Lachlor
L	M	9267	Guardian Spray	L	H	4980	Me-Too-Lachlor II
L	I	1152	Guthion 2L	L	H	4865	Medal II
D	H	4139	Harmony Extra XP	L	MG	9271	Mep-Plus
D	H	4137	Harmony GT XP	L	MG	9427	Mepex
L	MD	9048	Harvade - 5F	L	MG	9439	Mepex Gin Out
L	F	7522	Headline	L	MG	9405	Mepex Plus
L	H	4955	Helosate Plus	L	MG	9188	Mepichlor 4.2% Liquid
L	H	4383	Herbicide 273	D	MG	9272	Mepichlor Pill
L	H	4927	Hi-Yield Killzall	L	MG	9420	Mepiquat Chloride
L	H	4222	Honcho				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	MG	9139	Mepiquat Extra	D	MG	9198	Pix DF
L	I	1072	Metasystox-R (2EC)	L	MG	9295	Pix Plus
L	I	1158	Methyl Parathion 4EC	L	MG	9038	Pix Ultra
L	I	1086	Methyl Parathion 6EC	L	H	4081	Poast
L	I	1088	Methyl Parathion 7.5EC	L	H	4703	Poast HC
D	H	4392	Metribuzin 75DF	L	H	4334	Poast Plus
L	H	4236	Meturon 4L	L	MD	9296	Poly-Foliant Liquid Defoliant
L	H	4491	Mirage (4EC)	L	MG	9090	Ponnax Growth Regulator
L	I	1082	Mocap EC	L	I	1107	Pounce 3.2EC
L	I	1329	Monitor 4 Spray (For Cotton & Potatoes)	L	MG	9039	Prep Brand Ethephon
L	H	4194	MSMA 6 Plus	L	H	4573	Prism
L	H	4322	MSMA 600 Plus	D	M	9138	ProAct
L	H	4147	MSMA 6.6 (EC)	L	I	1057	Prolex
L	H	4144	MSMA Plus	L	H	4455	Prometryne 4L
L	H	4375	MSMA Plus H.C. (6 lbs)	L	H	4164	Propanil 3E
L	I	1363	Mustang	L	H	4213	Propanil 4E
L	I	1895	Mustang Max	L	MG	9035	Propel Plant Growth Regulator EC
L	M	9263	NoMate PBW MEC	L	H	4481	Protocol
L	F	7300	Nu-Cop 3L	L	I	1439	Provado 1.6 Flowable
L	I	1547	Nufos 4E	L	H	4360	Prowl 3.3 EC
L	I	1400	Oberon 2 SC	D	H	4504	Prowl DG
L	I	1278	Oil	L	H	4942	Prowl H2O
D	I	1102	Orthene 75 S	L	H	4086	Prowl (4EC)
D	I	1481	Orthene 75 WSP	L	MG	9407	Prune Smart Sprout Inhibitor
D	I	1509	Orthene 90 WSP	L	H	4581	Puma 1EC (Bronate Pro #1)
D	I	1258	Orthene 90S	L	I	1224	Pyrenone Crop Spray
D	I	1822	Orthene 97	L	F	7291	Quadris
L	MG	9419	Palisade EC	L	MG	9147	Quick Pick
L	I	1970	Paraspray 6-3	L	H	4256	Reflex
L	I	1407	Parathion 4L	L	H	4527	Resource
L	F	7222	PCNB 2-E	L	H	4500	Rezult
L	H	4196	Pendimethalin	L	H	4903	Rhino
L	I	1164	Penncap-M	L	F	7027	Ridomil 2E
L	MG	9397	Pentia	D	F	7265	Ridomil 50W
L	I	1884	Perm-UP 3.2 EC	L	F	7340	Ridomil Gold Bravo L (7008 & 7286)
L	I	1902	Permethrin 3.2 AG	L	F	7286	Ridomil Gold EC
L	MG	9137	PGR-IV	D	F	7341	Ridomil Gold PC
L	I	1365	Phaser (3EC)	D	F	7342	Ridomil Gold PC GR
D	I	1480	Phorate 15G	D	F	7308	Ridomil Gold/Bravo (WP)
D	I	1240	Phorate 20G	L	I	1977	Rimon 0.83EC
L	MD	9194	Pick-Quik Liquid Defoliant	L	H	4700	Roundup Custom
L	MG	9299	Pix	L	H	4376	Roundup D-Pak
L	MG	9099	Pix Concentrate	L	MD	9172	Roundup Original
				L	H	4093	Roundup Original
				L	MG	9342	Roundup Original II

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4315	Roundup Original II	D	I	1124	Temik 15G
L	H	4939	Roundup Original Max	D	I	1257	Temik TSX
L	H	4707	Roundup Pro (T & O)	D	F	7313	Terraclor Super X 18.8G
L	H	4751	Roundup Super Concentrate	D	F	7122	Terraclor Super X with Thimet
L	H	4561	Roundup Ultra	D	F	7121	Terraclor Super X w/ Di-System
L	MD	9281	Roundup Ultra	L	F	7119	Terraclor Super X (EC)
D	H	4762	Roundup Ultra Dry	D	MD	9417	Thidiazuron 50 WSB
L	H	4763	Roundup Ultra Max	D	I	1256	Thimet 15-G
L	H	4881	Roundup Weather Max	D	I	1127	Thimet 20-G
L	F	7032	Rovral 4 Flowable	L	I	1128	Thiodan 3EC
D	F	7272	Rovral 50 SP	L	I	1910	Thionex (Thiodan) 3EC
L	H	4265	Salvo	D	I	1254	Thuricide HP (WP)
D	H	4391	Savage	L	I	1255	Thuricide HPC
L	I	1169	Scout 0.3 EC	L	F	7076	Tilt
L	I	1170	Scout X-TRA	L	I	1980	Tombstone
L	H	4447	Select 2 EC	L	H	4662	Touchdown 5
L	H	4095	Sencor 4	L	H	4362	Touchdown 6
D	H	4096	Sencor DF (75%)	L	H	4848	Touchdown Herbicide
L	H	4960	Sequence	L	H	4439	Touchdown HiTech
L	I	1132	Sevin 4F	L	H	4129	Touchdown Total
D	I	1496	Sevin 80WSP	L	I	1526	Tracer
D	H	4918	Shark	L	H	4983	Treflan 4L
L	I	1108	Silencer	L	H	4109	Treflan 5 (EC)
L	H	4630	Silverado	L	H	4108	Treflan E.C.
L	MD	9079	Sodium Chlorate 2lb	L	H	4629	Treflan HFP
L	MD	9040	Sodium Chlorate 3lb	L	H	4110	Treflan M.T.F.
L	MD	9186	Sodium Chlorate 5lb	D	H	4111	Treflan TR-10
L	MD	9018	Sodium Chlorate 6lb	L	H	4286	Tri-4
D	H	4099	Solicam DF	L	H	4287	Tri-Scept
L	H	4507	Sonalan HFP	D	H	4335	Trific 60DF
L	MG	7615	Stance Plant Regulator	D	H	4452	Trifluralin 10G
D	H	4560	Staple	L	H	4450	Trifluralin 4EC
L	H	3002	Staple LX	L	H	4451	Trifluralin 5EC
L	H	4972	Staple Plus	L	H	4186	Triflurex HFP
L	MD	9080	Starfire (1.5L)	L	H	4112	Trilin
L	I	1806	Steward	L	I	1899	Trimax
D	I	1120	Sul-Cide D-93	L	H	4815	Trust 4EC
L	F	7482	Sulfur 6L (52%)	L	F	7075	Uniform
D	I	1394	Sulfur (92%)	L	I	1903	Up-Cyde 2.5 EC
L	MG	9260	Super Boll	D	H	4871	Valor WP
L	F	7073	Super Tin 4L	D	I	1131	Vendex 50WP
D	H	4950	Suprend	L	I	1247	Vydate C-LV
L	I	1250	Swat (8E)	L	I	1177	Vydate L
L	MD	9421	Takedown SC				
L	MS	9011	Telone II				

D/L	Class	Code	Product Name
L	I	1987	Warhawk
L	I	1553	Warrior
L	H	4003	Weedar 64
L	H	4004	Weedar 64A
L	H	4295	Weedmaster
L	H	4296	Weedone 638
L	H	4122	Weedone LV4 EC

D/L	Class	Code	Product Name
L	H	4298	Weedone LV4 Solventless
L	H	4309	Whip 1EC
L	H	4247	Wise Up Plus Glyphosate Herbicide
D	I	1967	Zeal Miticide
L	I	1289	Zephyr 0.15 EC
D	H	4310	Zorial Rapid 80 (DF)

Conversion Factors 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

PEST MANAGEMENT INFORMATION SOURCES

Section E, item 25.

- | | |
|----|--|
| 1 | County, Cooperative, or University Extension Advisor, Publications or Demonstrations |
| 2 | Farm Supply or Chemical Dealer |
| 3 | Commercial Scouting Service |
| 4 | Independent Crop Consultant or Pest Control Advisor/Custom Applicator |
| 5 | Other Growers or Producers |
| 6 | Producer Associations, Newsletters or Trade Magazines |
| 7 | Electronic Information Services (<i>DTN, Internet, World Wide Web, etc.</i>) |
| 8 | Employee Pest Advisor |
| 11 | Other – (Specify: _____) |
| 12 | None – Operator used no outside information source |

Section F, item 1,
columns 3 & 4

MACHINERY and IMPLEMENT CODES

PLOWS and DISKS

- 01 Chisel Plow (Big Ox)
- 02 Coulter Plow
(Coulter Chisel, 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)
- 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

MISCELLANEOUS TILLAGE

- 61 Land-all, Do-all, Mix-n-till, Till-all
(Disk, Shovels, Reel & Spikes)
- 62 Mulch Treader, Picker,
Treader, Skew
- 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

BEDDERS-SHAPERS

- 41 Bedder (Shaper)
(Bedshaper, Crowder)
- 42 Bed Shaper

Disk

- 43 Hipper
- 44 Row
- 45 Float
- 46 Lister (Middle-buster)
- 47 Rorovator-bedder
- 48 Seedbed Roller
(Flat Roller)
- 49 Sub-soil Bedder
(Ripper-hipper)
- 50 Discovator

FERTILIZER APPLICATORS

- 71 Aerial (Airplane)
- 72 Attachment to implement
- 73 Manure Spreader
- 74 Self-propelled
- 75 Truck Spreader

Tractor Mounted

- 76 Anhydrous
- 77 Dry
- 78 Liquid

Trailer Mounted

- 79 Anhydrous
- 80 Dry
- 81 Liquid

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

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
- 53 Smooth & Flat

PLANTERS

- 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

CHEMICAL APPLICATIONS

- 91 Aerial (Airplane)
- 92 Attachment to implement
- 93 Largest Self propelled
(or Large Truck)
- 94 Motorcycle/atv Sprayer
- 95 Small Self-propelled
(Spray-coupe, Hi-cycle)
- 96 Small Truck (Skid Mounted)
- 97 Tractor Mounted
- 98 Trailer Mounted

DRILLS and SEEDERS

- 101 Aerial Seeding
- 102 Broadcast Seeder

Drill

- 103 Air Delivery
- 104 Lister Disk
- 105 No-till or minimum till
- 106 Plain
- 107 Press, Disk or Hoe

COTTON EQUIPMENT

- 211 Chopper (Stalk Cutter)
- 213 Gleaner
- Picker**
- 214 Mounted
- 215 Self-propelled
- 216 Rood Machine
- Striper**
- 217 Mounted
- 218 Pull Type
- 219 Self-propelled

MODULE BUILDING & HAULING EQUIPMENT

- 212 Module Builder
- 220 Trailer
- 221 Boll Buggy

LAND FORMING EQUIPMENT

- 171 Backhoe
- 172 Disk Border Maker
- 173 Ditch Closer
- 174 Ditcher
- 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

ENUMERATOR NOTE:

*For Land Forming Equipment codes
171 – 183, enter Total Hours Operated
in column 9.*

MOWERS and BALERS

- 141 Amish Harvester
- Baler**
- 145 Motor Mounted
- 146 PTO (Large)
- 147 PTO (Small)
- 148 Self-propelled
- 159 Stacker, Automatic
- 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

ENUMERATOR NOTE:

*For Cotton Hauling and Module
Building Equipment codes above,
Enter Total Hours Operated in
column 9.*

HAULING EQUIPMENT

Bale wagon/mover

- 142 Bale wagon (PTO)
- 143 Bale Wagon (Self-propelled)
- 144 Bale Loader
- 158 Stack Mover
- 160 Front End Loader
- 161 Round Bale Mover
- 195 Hay wagon

Trailers

- 194 General Purpose Wagon or Cart
- 195 Hay Wagon
- 208 Gravity Wagon
- 209 Grain Cart with Auger
- 221 Forage Wagon
- 222 Dump Wagon
- 228 Other Trailers

Trucks

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

ENUMERATOR NOTE:

*For Hauling Equipment codes above,
enter Total Hours Operated in
column 9.*

OTHER IMPLEMENTS

- 191 Burn Buggy
- 192 Chaff/straw Saver
- 193 Electric-discharge Weed Killer
- 196 Off-field Thresher
- 197 Rock Picker
- 198 Rock Windower 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

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

RUN-OFF CODES

Section G, item 10.

- | | |
|---|---|
| 1 | Retained at the end of the field? |
| 2 | Reused to irrigate on the farm? |
| 3 | Collected in evaporation ponds on the farm? |
| 4 | Drained from the farm? |
| 5 | There is no runoff. |