

AGRICULTURAL RESOURCE MANAGEMENT STUDY  
COTTON PRODUCTION PRACTICES and COSTS REPORT for 1997  
and  
COTTON PRODUCTION PRACTICES REPORT for 1997

## RESPONDENT BOOKLET

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### SEED VARIETY CODE LIST for COTTON

Section B, item 15 . . . . .

- 1 **herbicide** (Roundup or Buctril) **resistant varieties**--  
(Monsanto Roundup Ready Cotton, such as Delta & Pine Land Co. deltapine90RR, deltapine5415RR, or deltapine5690RR or other  
  
Buctril resistant variety, such as Stoneville BXN47, BXN57 or other)?
- 2 **Bt varieties for insect resistance**  
(Monsanto Bollgard, such as Delta & Pine Land Co. NuCOTN33, NuCOTN35, deltapine20B, deltapine50B, deltapine90B or other)?
- 5 **None of these?**

### PEST RESISTENT VARIETY CODE LIST

Section B, item 16 . . . . .

- 1 **Increase yields through improved pest (*weeds, insects or diseases*) control,**
- 2 **Decrease pesticide input costs,**
- 3 **Increase planting flexibility, (*for example, easier to rotate crops, reduce carryover, use reduced tillage or no-till systems, etc.*)**
- 4 **Adopt more environmentally friendly practices**
- 5 **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**

## Chemicals and Pesticides for COTTON

D/L	Class	Code	Name	D/L	Class	Code	Name
L	MD	9043	Accelerate	L	I	1352	Dimilin 4L
L	I	1427	Admire 2F	L	I	1024	Dipel 4L
D	I	1001	Ambush 25W	L	I	1025	Dipel ES
L	I	1133	Ammo 2.5EC	L	H	4039	Direx 4L
D	I	1134	Ammo WSB (39%)	D	H	4040	Direx 80W
D	I	1471	Applaud	D	I	1033	Di-Syston 15% G
L	I	1004	Asana XL (.66EC)	L	I	1034	Di-Syston 8 (EC)
L	H	4371	Assure II	L	H	4045	Diuron 4L
L	I	1279	Azinphos-M 2 EC	D	H	4046	Diuron 80W
D	I	1280	Azinphos-M 50 WP	D	MD	9046	Dropp (50WP)
L	H	4327	Banvel SGF (2EC)	L	H	4189	DSMA Liquid (3.6 lbs)
L	H	4136	Banvel (4L)	L	H	4190	DSMA Slurry (7.2 lbs)
L	I	1246	Baythroid 2 (EC)	L	H	4051	Dual (8E)
L	I	1213	Bidrin 8	L	I	1199	Endosulfan 3EC
L	H	4022	Bladex 4L	L	H	4053	Eptam 7-E
D	H	4023	Bladex 80WP	L	MD	9047	Folex 6EC
D	H	4143	Bladex 90DF	D	I	1053	Furadan 15G
L	I	1139	Bolstar 6EC	L	I	1054	Furadan 4F
L	H	4031	Caparol 4L	L	I	1374	Fury 1.5 EC
D	H	4162	Caparol 80WP	L	H	4060	Fusilade 2000 (1EC)
L	I	1140	Capture 2EC	D	MD	9164	Ginstar
L	H	4169	Cobra (2E)	L	H	4063	Goal 1.6E
L	I	1441	Comfirm 2F	L	H	4314	Gramoxone Extra (2.5L)
L	I	1008	Comite (6.55EC)	L	MD	9037	Gramoxone Extra (2.5L)
L	H	4171	Command 4EC	L	I	1152	Guthion 2L
L	I	1282	Condor	L	I	1055	Guthion 2S
L	H	4176	Cotoran 4L	L	I	1272	Guthion 3 F
D	H	4177	Cotoran 80W	L	MD	9048	Harvade - 5F
D	H	4178	Cotoran DF	L	I	1252	Karate (1EC)
L	MD	9044	Cotton - Aide HC	D	H	4066	Karmex DF
L	H	4034	Cotton-Pro (4E)	L	I	1062	Kelthane MF
L	I	1248	Curacron 6E	L	I	1470	Knack
L	I	1249	Curacron 8E	L	I	1063	Lannate L (1.8 lbs.)
L	MD	9031	Cyclone (2EC)	L	I	1064	Lannate LV (2.4 lbs.)
L	I	1027	Cygon 400 (4EC)	D	I	1065	Lannate (90WSP)
L	I	1141	Cythion 57% EC	L	I	1066	Larvin 3.2
L	I	1307	Danitol 2.4 EC Spray	L	H	4069	Lasso (4EC)
L	I	1375	Decis	L	I	1283	Lock-on
L	MD	9049	Def 6	D	H	4077	Lorox DF (50%)
L	MD	9014	Defol 6	L	H	4076	Lorox L (4lbs.)
L	MD	9042	Defol (3lb)	L	I	1069	Lorsban 4E
D	I	1445	Design	L	I	1236	Malathion 5EC (57%)
L	I	1251	Dibrom 8EC	L	I	1228	Malathion 8E
L	I	1028	Dimethoate 2.67EC	L	I	1157	Malathion ULV 9.33lb (95%)
L	I	1029	Dimethoate 4EC				
D	I	1145	Dimilin 25W				
L	I	1301	Dimilin 2F				

D/L	Class	Code	Name	D/L	Class	Code	Name
D F		7025	Manzate 200 DF (75%)	L I		1170	Scout X-TRA (0.9 lb EC)
L I		1472	Mattch Bioinsecticide	L H		4447	Select 2E
L I		1416	Merit 2	L I		1370	Sniper 2E
L I		1072	Metasystox-R (2EC)	L MD		9079	Sodium Chlorate 2lb.
L I		1158	Methyl Parathion 4EC	L MD		9040	Sodium Chlorate 3lb.
L I		1086	Methyl Parathion 6EC	L MD		9018	Sodium Chlorate 6 lb
L I		1088	Methyl Parathion 7.5EC	D H		4560	Staple Herbicide (85WP)
L H		4236	Meturon 4L	L MD		9080	Starfire (1.5L)
D H		4237	Meturon DF (80%)	D I		1284	Sulfur 90W
L I		1160	Monitor 4 Spray	L MS		9010	Telone C-17
L H		4144	MSMA 4 Plus	L MS		9011	Telone II
L H		4194	MSMA 6 Plus	D I		1124	Temik 15G
L H		4147	MSMA 6.6 (EC)	D F		7035	Terraclor 10% Granular
L I		1363	Mustang 1.5 EW	L F		7036	Terraclor 2 lb EC
L I		1232	MVP	L F		7119	Terraclor Super X Emulsifiable
L I		1507	MVP II	D F		7121	Terraclor Super X with Di-Syston
L M		9150	No Mate	D I		1256	Thimet 15G
D I		1102	Orthene 75 S	D I		1127	Thimet 20G
D I		1258	Orthene 90 S	L I		1128	Thiodan 3EC
L I		1288	Ovasyn (1.5L)	D I		1174	Thiodan 50WP
D I		1373	Payload 15G	L H		4109	Treflan 5 (EC)
L I		1164	Pennncap-M (2 lbs.)	L H		4108	Treflan EC (4Lbs.)
L I		1365	Phaser (3EC)	L H		4110	Treflan MTF (4EC)
L I		1447	Pirate	D H		4111	Treflan TR-10 (10G)
L MG		9099	Pix Concentrate (2.01 lb)	L H		4286	Tri-4 (EC)
L MG		9038	Pix Plant Regulator	L H		4450	Trifluralin 4 (EC)
L H		4334	Poast Plus (1EC)	L H		4368	Trilin 5
L H		4081	Poast (1.5 EC)	L H		4112	Trilin (4EC)
D I		1106	Pounce 25WP	L MS		9012	Vapam (3.18 lb.)
L I		1107	Pounce 3.2EC	L I		1247	Vydate C-LV (3.77lbs)
L MG		9039	Prep (6 EC)	L I		1177	Vydate L (2 Lbs)
L H		4455	Prometryne 4L	L I		1289	Zephyr 0.15 EC
L I		1439	Provado 1.6 Flowable	D H		4310	Zorial Rapid 80 (DF)
L H		4360	Prowl 3.3 EC				
L H		4086	Prowl (4EC)				
L F		7027	Ridomil 2E				
L H		4561	Roundup Ultra				
L H		4093	Roundup (4L)				

## TARGET PEST CODE LIST

### INSECTS

- 010 APHIDS
- BETTERLES, WEEVILS or
- 727 Corn Rootworm (adults)  
728 Corn Rootworm (larvae)
- 020 Other Beetles, Weevils or  
Wireworms
- 030 Cutworms or Armyworms
- MOTH / CATERPILLAR
- 754 Pink Bollworm  
045 Other Bollworm  
757 Tobacco Budworm
- 040 Other Moths or Caterpillars  
(loopers, leafminer, leaf  
leafworm, corn borer, webworm,  
leafrollers, soybean podworm,  
fall armyworm, corn ear worm)
- 050 TRUE BUG  
(fleaoppers, lygus bugs, stink  
chinch bugs, tarnished plant
- 060 WHITEFLY, MEALYBUGS or  
LEAF HOPPERS
- 080 GRASSHOPPERS or CRICKETS
- 090 MITES
- 095 FLIES or MAGGOTS
- 085 THRIPS
- 100 NEMATODES

### DISEASES

- 110 FUNGAL (FUNGUS) DISEASES  
120 VIRAL (VIRUS) DISEASES

### WEEDS

- ANNUAL GRASSES
- 607 Foxtail  
171 Other Annual Grasses
- PERENNIAL GRASSES
- 617 Shattercane  
608 Johnsongrass  
616 Quack Grass  
171 Other Perennial Grasses
- 177 Sedges
- 173 Perennial Broadleafs
- 174 Annual Broadleafs
- 180 Other  
(defoliant, desiccant or growth

## 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

### PACKERS

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

### HARROWS (DRAGS)

- 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
- 26 Field Cultivator  
-Heavy Duty  
(Duckfoot Cultivator)
- 27 Marker

### BEDDERS-SHAPERS

- 41 Bedder (Shaper)  
Bedshaper, Crowder)
- 42 Bed Shaper
  - Disk
  - 43 -Hipper
  - 44 -Row
- 45 Lister (Middle-buster)
- 46 Rotovator-bedder
- 47 Seedbed Roller  
(Flat Roller)
- 48 Sub-soil Bedder  
(Ripper-hipper)
- 49 Discovator

### 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)

### FERTILIZER APPLICATORS

- 71 Aerial (Airplane)
- 72 Attachment to Implement

### CHEMICAL APPLICATORS

- 91 Aerial (Airplane)
- 92 Attachment to Implement

### DRILLS and SEEDERS

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

### 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
- 271 Potato Planter

## MACHINERY and IMPLEMENT CODES

### HARVESTING EQUIPMENT

- Small Grains Combine
- 121 -(Self-propelled)
- 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
- Row Crops Combine
- 128 -(Self-propelled)  
Hillside
- 129 -Self-propelled, 2wd  
Or 2wd with  
Rear Wheel Assist
- 130 -Self Propelled, 4wd
- 131 -Track
- 132 -Pto/motor Mounted
- 133 Corn Picker
- 134 Hand Harvesting

### SPECIALIZED 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
- 220 Trailer
- 221 Boll Buggy

### MOWERS and BALERS

- 141 Amish Harvester
- Bale Wagon
- 142 -Pto
- 143 -Self-propelled
- 144 Bale Loader
- Baler
- 145 -Motor Mounted
- 146 -Pto (Large)
- 147 -Pto (Small)
- 148 -Self-propelled
- 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
- 158 Stack Mower
- 159 Stacker, Automatic
- 160 Front End Loader

PTO - Power Take-off  
 WD - Wheel Drive

### LAND FORMING EQUIPMENT

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

For implements codes 171-177, enter the total hours operated in the column labeled total acres covered. Total acres covered is not meaningful for these

### OTHER IMPLEMENTS

191	Burn Buggy
192	Chaff/straw Saver
193	Electric-discharge Weed Killer
194	Grain Wagon or Cart
208	Gravity Wagon
195	Hay Wagon
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

### PEST MANAGEMENT INFORMATION SOURCES

Section E. item 19

1	<b>EXTENSION ADVISOR, PUBLICATIONS OR DEMONSTRATIONS</b> (COUNTY, COOPERATIVE OR UNIVERSITY)
2	<b>FARM SUPPLY OR CHEMICAL DEALER</b>
3	<b>COMMERCIAL SCOUTING SERVICE</b>
4	<b>CROP CONSULTANT OR PEST CONTROL ADVISOR</b>
5	<b>OTHER GROWERS OR PRODUCERS</b>
6	<b>PRODUCER ASSOCIATIONS, NEWSLETTER OR TRADE MAGAZINES</b>
7	<b>ELECTRONIC INFORMATION OR SERVICES</b> (WORLD WIDE WEB, DTN, ETC.)
8	<b>OTHER</b>
9	<b>NONE</b>

### SECTION G

### IRRIGATION TYPE CODES

PRESSURE SYSTEMS	GRAVITY SYSTEMS
1 <b>HAND-MOVE</b>	10 <b>SIPHON TUBE from unlined ditches</b>
2 <b>SOLID OR PERMANENT SET</b>	11 <b>SIPHON TUBE from lined ditches</b>
3 <b>SIDE ROLL OR WHEEL LINE</b>	12 <b>PORTAL SYSTEM from unlined ditches</b>
4 <b>CENTER PIVOT OR LINEAR MOVE with sprinklers on main line</b>	13 <b>PORTAL SYSTEM from lined ditches</b>
5 <b>CENTER PIVOT OR LINEAR MOVE with sprinklers below main line, but more than 2 feet above ground</b>	14 <b>ANY POLY PIPE SYSTEM</b>
6 <b>CENTER PIVOT OR LINEAR MOVE with sprinklers less than 2 feet above ground</b>	15 <b>GATED PIPE (not poly pipe)</b>
7 <b>BIG GUN</b>	16 <b>IMPROVED GATED PIPE (surge flow or cablegation not poly pipe)</b>
8 <b>LOW FLOW IRRIGATION (drip, trickle or micro sprinkler)</b>	17 <b>SUBIRRIGATION</b>

9 OTHER - SPECIFY

18 FLOOD

19 OTHER - SPECIFY

**LANDLORD COST**

<b>Seed Costs</b>	
a.	Purchased Seed
<b>Fertilizer Costs</b>	
b.	Fertilizer custom applications
c.	Fertilizer materials
<b>Chemicals/Pesticides Costs</b>	
d.	Chemicals/pesticides custom applications
e.	Chemicals/pesticides materials
<b>Technical Services</b>	
f.	Soil tests or plant tissue tests
g.	Scouting services
h.	Biological pest controls and their application
i.	Other custom technical services [Specify _____]
<b>Custom Field Operations and Services</b>	
j.	Custom land preparation, shaping, and/or leveling
k.	Custom cultivating
l.	Custom planting and/or reseeding
m.	Custom harvesting of the crop
n.	Custom hauling of the crop from the field to storage or point of first market
p.	Other custom services [Specify _____]
<b>Irrigation and Water Management Costs</b>	
q.	Fuel, lubrication and electricity for irrigation
r.	Repairs for irrigation equipment
s.	Purchased irrigation water

SECTION I, item 1 . . . .