

Agricultural Resource Management Study  
Upland Cotton Production Practices Report for  
1998

UPLAND COTTON RESPONDENT BOOKLET

## SEED VARIETY CODE LIST for COTTON

Section B, item 16 . . .

- 1 Genetically modified **herbicide resistant** seed variety  
(For example, RoundUp resistant varieties, etc.)
- 3 **Bt** variety for insect resistance  
(For example, Bollgard varieties, etc.)
- 4 Variety with **both** herbicide and insect resistance  
(For example, RoundUp Ready plus Bollgard varieties, etc.)
- 6 DID NOT plant a resistant variety

## REASONS FOR SEED VARIETY

Section B, item 17 . . .

- 1 Increase yields through improved pest control  
(weeds, insects or diseases)?
- 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

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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

## Common Fertilizers and Their Percent Analysis

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	--	--	--	16-30% N
Ammonium nitrate . . . . .	33	--	--	--	33-34% N
Ammonium sulfate . . . . .	21	--	--	--	20-21% N
Nitrogen solutions . . . . .	28	--	--	--	7-58% N
Sodium nitrate . . . . .	16	--	--	--	
Urea . . . . .	46	--	--	--	45-46% N
Urea ammonium nitrate . . .	32	--	--	--	
Super phosphate (22 % & under) . . . . .	--	19	--	--	18-22% P
Super phosphate (over 22 %) . . . . .	--	30	--	--	23-39% P
Triple Super Phosphate . . . . .	--	46	--	--	40-54% P
Ammonium phosphate . . . . .	11	48	--	--	
Di-ammonium phosphate . . . . .	18	46	--	--	
Mono-ammonium phosphate . . . . .	11	52	--	--	
Potassium chloride . . . . .	--	--	60	--	50-62% K
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	--	
	6	24	24	--	
	8	24	24	--	
	9	18	9	--	
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	48-52% K
Potassium-magnesium sulfate . . . . .	--	--	22	22	

**CHEMICALS and PESTICIDES for UPLAND COTTON**

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4443	2,4-D/Class LV4	L	MD	9031	Cyclone (2EC)
L	H	4003	2,4-D/Weedar 64	L	I	1027	Cygon 400 (4EC)
L	MD	9043	Accelerate	L	H	4189	DSMA Liquid (3.6 lbs)
D	I	1525	Acephate 90SP	L	H	4190	DSMA Slurry (7.2 lbs)
L	I	1484	Alert (2EC)	L	I	1307	Danitol 2.4 EC Spray
L	I	1002	Ambush (2EC)	L	I	1375	Decis
L	I	1133	Ammo 2.5EC	L	MD	9049	Def 6
D	I	1134	Ammo WSB (39%)	L	MD	9042	Defol (3lb)
L	H	4126	Ansar 6.6	L	MD	9014	Defol 6
D	I	1471	Applaud 70WP	D	I	1445	Design
L	I	1004	Asana XL (.66EC)	D	I	1033	Di-Syston 15% G
L	H	4371	Assure II	L	I	1034	Di-Syston 8 (EC)
L	I	1279	Azinphos-M 2 EC	L	I	1251	Dibrom 8 EC
L	H	4136	Banvel (4L)	L	I	1425	Dimethoate (5LB.)
L	H	4327	Banvel SGF (2EC)	L	I	1028	Dimethoate 2.67EC
L	I	1246	Baythroid 2 (EC)	L	I	1029	Dimethoate 4EC
L	I	1213	Bidrin 8	L	I	1352	Dimilin 4L
L	H	4022	Bladex 4L	L	I	1024	Dipel 4L
D	H	4023	Bladex 80WP	L	I	1025	Dipel ES
D	H	4143	Bladex 90DF	L	H	4039	Direx 4L
L	I	1139	Bolstar 6EC	D	H	4040	Direx 80W
L	H	4024	Buctril (2EC)	L	H	4045	Diuron 4L
L	H	4025	Buctril 4EC	D	H	4046	Diuron 80W
L	H	4157	Bueno 6 (EC)	D	MD	9046	Dropp (50WP)
L	H	4031	Caparol 4L	L	H	4051	Dual (8E)
D	H	4162	Caparol 80WP	L	MD	9222	ETK-2201
L	I	1140	Capture 2EC	L	I	1199	Endosulfan 3EC
D	I	1260	Carbaryl 95 Sprayable	L	H	4053	Eptam 7-E
L	H	4169	Cobra (2E)	L	MG	9207	Ethephon 6 (EC)
L	I	1008	Comite (6.55EC)	L	M	9220	Finish
L	H	4578	Command 3ME	L	H	4477	Flo-Met (4EC)
L	H	4171	Command 4EC	L	MD	9047	Folex 6EC
L	I	1282	Condor	L	MG	9036	Foliar Triggrr
L	H	4176	Cotoran 4L	D	I	1053	Furadan 15G
D	H	4177	Cotoran 80W	L	I	1054	Furadan 4F
D	H	4178	Cotoran DF	L	I	1374	Fury 1.5 EC
L	MD	9044	Cotton - Aide HC	L	H	4060	Fusilade 2000 (1EC)
L	H	4034	Cotton-Pro (4E)	L	H	4492	Fusilade DX
L	I	1248	Curacron 6E				
L	I	1249	Curacron 8E				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4442	Fusion	D	I	1393	Microthiol Special
D	MD	9164	Ginstar	L	I	1160	Monitor 4 Spray
L	MD	9221	Ginstar EC	L	I	1363	Mustang 1.5 EW
L	H	4063	Goal 1.6E	L	M	9150	No Mate
L	H	4314	Gramoxone Extra (2.5L)	L	I	1278	Oil
L	MD	9037	Gramoxone Extra (2.5L)	D	I	1102	Orthene 75 S
L	I	1152	Guthion 2L	D	I	1258	Orthene 90 S
L	I	1055	Guthion 2S	L	I	1288	Ovasyn (1.5L)
L	I	1272	Guthion 3 Flowable	L	MG	9137	PGR IV
L	MD	9048	Harvade - 5F	D	I	1373	Payload 15G
L	H	4222	Honcho	L	I	1164	Penncap-M (2 lbs.)
D	I	1142	Javelin WG	L	I	1365	Phaser (3EC)
L	I	1252	Karate (1EC)	L	I	1447	Pirate
D	H	4066	Karmex DF	L	MG	9099	Pix Concentrate (2.01 lb)
L	I	1062	Kelthane MF	L	MG	9038	Pix Plant Regulator
L	I	1470	Knack	L	H	4081	Poast (1.5 EC)
D	I	1065	Lannate (90WSP)	L	H	4334	Poast Plus (1EC)
L	I	1063	Lannate L (1.8 lbs.)	L	MG	9231	Poly-Foliant
L	I	1064	Lannate LV (2.4 lbs.)	D	I	1106	Pounce 25WP
L	I	1066	Larvin 3.2	L	I	1107	Pounce 3.2EC
L	MD	9230	Leafex	L	MG	9039	Prep (6 EC)
L	I	1283	Lock-on	D	F	7209	Prevail
D	H	4077	Lorox DF (50%)	L	H	4455	Prometryne 4L
L	H	4076	Lorox L (4lbs.)	L	H	4481	Protocol
L	I	1069	Lorsban 4E	L	I	1439	Provado 1.6 Flowable
L	H	4144	MSMA 4 Plus	L	H	4086	Prowl (4EC)
L	H	4194	MSMA 6 Plus	L	H	4360	Prowl 3.3 EC
L	H	4147	MSMA 6.6 (EC)	L	MG	9147	Quick Pick
L	I	1232	MVP II	L	F	7027	Ridomil 2E
L	I	1236	Malathion 5EC (57%)	D	F	7107	Ridomil PC 11G
L	I	1228	Malathion 8E	L	H	4093	Roundup (4L)
L	I	1157	Malathion ULV 9.33 Lb (95%)	L	H	4561	Roundup Ultra
D	F	7025	Manzate 200 DF (75%)	L	F	7032	Rovral 4 Flowable
L	I	1472	Mattch Bioinsecticide	L	I	1170	Scout X-TRA (0.9 lb EC)
L	MG	9188	Mepiquat Chloride 4.2	L	H	4447	Select 2E
L	I	1072	Metasystox-R (2EC)	L	I	1019	Sevin XLR Plus (4E)
L	I	1158	Methyl Parathion 4EC	L	I	1370	Sniper 2E
L	I	1086	Methyl Parathion 6EC	L	MD	9079	Sodium Chlorate 2lb
L	I	1088	Methyl Parathion 7.5EC	L	MD	9040	Sodium Chlorate 3lb
L	H	4236	Meturon 4L	L	MD	9018	Sodium Chlorate 6lb
D	H	4237	Meturon DF (80%)				

D/L	Class	Code	Product Name
D	H	4560	Staple Herbicide (85WP)
L	MD	9080	Starfire (1.5L)
D	I	1442	Supracide 25WP
L	I	1123	Supracide 2E
L	MS	9010	Telone C-17
L	MS	9011	Telone II
D	I	1124	Temik 15G
D	F	7035	Terraclor 10% Granular
L	F	7036	Terraclor 2 lb EC
L	F	7119	Terraclor Super X Emulsifiable (2.5EC)
D	F	7121	Terraclor Super X with Di-Syston
D	I	1256	Thimet 15-G
D	I	1127	Thimet 20-G
L	I	1317	Thiodan 2 C.O. EC
L	I	1128	Thiodan 3EC
D	I	1174	Thiodan 50WP
D	I	1187	Thiolux (80DF)
L	I	1255	Thuricide HPC
L	I	1526	Tracer
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)
L	H	4450	Trifluralin 4 (EC)
L	H	4112	Trilin (4EC)
L	H	4368	Trilin 5
L	MS	9012	Vapam (3.18 lb.)
L	I	1247	Vydate C-LV (3.77lbs)
L	I	1177	Vydate L (2 Lbs)
L	I	1289	Zephyr 0.15 EC
D	H	4310	Zorial Rapid 80 (DF)

# TARGET PEST CODE LIST

## SECTION D, Item 1 Column 12

### INSECTS

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

### DISEASES

- 105 BACTERIAL DISEASES**
- 110 FUNGAL DISEASES, (FUNGUS)**
- 120 VIRAL DISEASES, (VIRUS)**

### WEEDS

- 171 GRASSES, ANNUAL**  
607 Foxtail  
171 Other Annual Grasses
- 172 GRASSES, PERENNIAL**  
617 Shattercane  
608 Johnsongrass  
616 Quack Grass  
172 Other Perennial Grasses
- 175 BROADLEAVES, ALL**  
173 Perennial broadleaf  
174 Annual broadleaf
- 177 SEDGES**

### OTHER PESTS

- 180 OTHER PESTS**  
*(For example, defoliant, desiccant or growth regulator, vine killer, etc.)*

## PEST MANAGEMENT INFORMATION SOURCES

Section E, item 17 . . .

- 1 Extension Advisor, Publications or Demonstrations  
(County, Cooperative or University)
- 2 Farm Supply or Chemical Dealer
- 3 Commercial Scouting Service
- 4 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
- 9 None



## 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 FLOOD
	19 OTHER - SPECIFY