

**AGRICULTURAL RESOURCE MANAGEMENT STUDY
FLUE-CURED TOBACCO PRODUCTION PRACTICES and COSTS REPORT
for 1996**

RESPONDENT BOOKLET
CHEMICALS and PESTICIDES
for FLUE-CURED TOBACCO

D/L	CLASS	CODE	NAME	D/L	CLASS	CODE	NAME
D	I	1355	Agree	L	I	1236	Malathion 5EC (57%)
L	I	1203	Biobit FC	L	I	1228	Malathion 8E
L	I	1011	Carbaryl 4L	D	F	7025	Manzate 200 DF (75%)
D	I	1012	Carbaryl 50W				
D	MG	9118	Chlor-o-pic				
L	H	4171	Command 4EC				
L	I	1141	Cythion 57% EC				
D	H	4036	Devrinol 10-G				
L	H	4037	Devrinol 2-E				
D	H	4038	Devrinol 50-WP				
D	H	4343	Devrinol 50-DF				
D	I	1033	Di-Syston 15% G				
L	I	1034	Di-Syston 8 (EC)				
L	I	1041	Diazinon 4E				
D	I	1050	Diazinon 50W				
L	I	1022	Dibrom 8 Emulsive				
D	I	1198	Dipel 10G				
D	I	1023	Dipel 2X (WP)				
L	I	1024	Dipel 4L				
D	F	7016	Dithane M-45 (80WP)				
L	I	1039	Dyfonate 4EC				
D	I	1037	Dyfonate II 10-G				
D	I	1364	Dyfonate II 15-G				
D	I	1040	Dylox 80% SP				
L	I	1437	Edge				
L	MG	9004	Ethrel Plant Regulator (2EC)				
L	MG	9113	Fair 30				
L	MG	9114	Fair 85				
L	I	1054	Furadan 4F				
L	I	1313	Golden Leaf Tobacco Spray				
D	I	1142	Javelin WG				
D	I	1065	Lannate (90WSP)				
L	I	1063	Lannate L (1.8 lbs.)				
L	I	1064	Lannate LV (2.4 lbs.)				
D	I	1068	Lorsban 15G				
L	I	1069	Lorsban 4E				
L	I	1322	M-Pede				

D	I	1080	Mocap 10G
L	I	1082	Mocap EC (6lbs)
L	I	1314	Mocap Plus 4-2 EC
D	I	1096	Nemacur 15G
L	I	1097	Nemacur 3E
L	MG	9108	Off-shoot-T 85
D	I	1102	Orthene 75 S
D	I	1316	Orthene Tobacco Insect Spray
L	H	4378	Paarlan E.C.
L	I	1164	Penncap-M (2 lbs.)
L	I	1365	Phaser (3EC)
D	I	1366	Phaser 50WP
L	H	4081	Poast (1.5 EC)
L	MG	9039	Prep (6 EC)
L	MG	9100	Prime+
L	H	4086	Prowl (4EC)
L	H	4360	Prowl 3.3 EC
D	I	1113	Proxol 80 SP
L	F	7027	Ridomil 2E
L	MG	9008	Royal MH-30 (1.5EC)
L	I	1191	Saf-T-Side
L	I	1132	Sevin 4F
D	I	1015	Sevin 5% Bait
D	I	1172	Sevin 50W
D	I	1018	Sevin 80S
L	I	1019	Sevin XLR Plus (4E)
L	I	1370	Sniper 2E
L	MG	9120	Sucker Stuff
L	MG	9034	Super Sprout Stop
L	I	1123	Supracide 2E
L	MS	9010	Telone C-17
L	MS	9011	Telone II
D	I	1124	Temik 15G
L	I	1317	Thiodan 2 C.O. EC
L	I	1128	Thiodan 3EC
D	I	1174	Thiodan 50WP
L	H	4107	Tillam 6E
L	I	1177	Vydate L (2 Lbs)
D	I	1377	Xentari WDG

MACHINERY and IMPLEMENT CODES

PLOWS and DISKS

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

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

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
- 73 Manure Spreader
- 74 Self-propelled
- 75 Truck Spreader

- Tractor Mounted
- 76 -Anhydrous
- 77 -Dry (Includes
 Lime & Gypsum)
- 78 -Liquid

- Trailer Mounted
- 79 -Anhydrous
- 80 -Dry (Includes
 Lime & Gypsum)
- 81 -Liquid

CHEMICAL APPLICATORS

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

MACHINERY and IMPLEMENT CODES, continued

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

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

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
	Mower-chopper
149	-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

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 Diker, Dammer Diker, Diker)
179	Float
180	Land Plane Leveler (Water Leveler)
181	Laser Planer, Laser Leveler

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 implements.

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	Shredder, Flail
203	Shredder, Rotary
204	Silage Harvester
205	Stalk Shredder, Stalk Cutter
206	Swath Roller

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
258	Trailer/Wagon/Cart (Harvest)
259	Transplanter
266	Transplanter, Carousel
260	Transplant Digger (Mechanical)
261	Tying Machine

PTO	- Power Take-off
WD	- Wheel Drive

SECTION I
 ITEM 2a

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 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 OTHER - SPECIFY

Public reporting burden for this survey is estimated to average 90 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Federal agencies may not conduct or sponsor, and a person is not required to respond to, information collection unless it displays a currently valid OMB number. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing this burden, to USDA-OIRM, Project 0535-0218, Ag. Box 7630, Washington, D.C. 20250. Please DO NOT mail the questionnaire to this address.