

**AGRICULTURAL RESOURCE
MANAGEMENT STUDY
PEANUTS
PRODUCTION PRACTICES REPORT
for 1999**

RESPONDENT BOOKLET

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 ₂ O ₅	K ₂ 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	--	
	5	15	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 PEANUTS

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
D	I	1672	Able	L	F	7099	Champ Flowable
D	I	1415	Adios	L	F	7244	Champ Formula 2
D	I	1355	Agree				
L	H	4009	Alanap-L	L	F	7052	Champion Flowable
				D	F	7051	Champion WP
L	I	1003	Asana (1.9EC)				
L	I	1004	Asana XL (.66EC)	L	I	1482	Chlorpyrifos 4E AG
				D	H	4167	Classic (25DG)
L	H	4015	Avadex (4EC)	L	H	4169	Cobra (2E)
L	I	1686	BMP 123 (48 LC)				
L	I	1005	Bactospeine FC	L	I	1008	Comite (6.55EC)
D	I	1006	Bactospeine WP	L	I	1401	Comite II
D	H	4017	Balan DF	L	I	1282	Condor
L	H	4016	Balan EC	D	I	1670	Condor (WP)
L	H	4019	Basagran (4L)	L	F	7092	Copper-Count-N
D	F	7218	Basic Copper Sulfate	D	F	7235	Coppercide 50 (WP)
D	F	7196	Basicop	D	I	1528	Costar Biological Insecticide
				D	I	1477	Crymax WDG
D	F	7003	Benlate (50WP)	D	I	1318	Cutlass WP
D	F	7212	Benlate SP	L	H	4654	Cyclone Concentrate
L	I	1203	Biobit FC	L	I	1141	Cythion 57% EC
D	I	1488	Biobit HPWP	L	I	1360	Cythion 8 Aquamul
D	I	1207	Biobit WP	L	MG	9081	Cytokin
				L	M	9269	Cytoplex HMS
L	H	4146	Blazer 2L				
				L	I	1045	D-z-n Diazinon AG500 (4E)
D	F	7131	Blue Shield (WP)	D	I	1033	Di-Syston 15% G
D	F	7217	Blue Shield DF (50%)	D	I	1411	Diatect Multipurpose Insecticide
L	F	7007	Bravo 500 (4.17EC)	D	I	1047	Diazinon 14G
D	F	7009	Bravo 90DG	L	I	1208	Diazinon 4 Spray
L	F	7125	Bravo S (EC)	L	I	1041	Diazinon 4E
D	F	7241	Bravo Ultrex (82.5 WDG)	D	I	1050	Diazinon 50W
D	F	7011	Bravo W-75	L	I	1046	Diazinon AG500 (4E)
L	F	7008	Bravo Weather Stik (6EC)				
L	H	4151	Brominal	D	I	1023	Dipel 2X (WP)
L	MG	9032	Burst Yield Booster	L	I	1024	Dipel 4L
L	MS	9023	Busan 1020	D	I	1516	Dipel DF
				D	I	1026	Dipel WP
L	H	4311	Butoxone (1.75EC)	D	F	7127	Dithane DF (75%)
L	H	4158	Butoxone 200 (2EC)	L	F	7015	Dithane F-45 Flowable
D	H	4696	Butoxone 7500	D	F	7016	Dithane M-45
				L	F	7318	Dithane M-45 Flowable M
L	H	4160	Butyrac 200 (2EC)	D	F	7317	Dithane WSP
D	F	7097	C-O-C-S 50WP	L	H	4051	Dual (8E)
				D	H	4050	Dual 25G
D	H	4679	Cadre	L	H	4466	Dual II
D	H	4680	Cadre DG	L	H	4660	Dual II Magnum
				L	H	4659	Dual Magnum
L	I	1011	Carbaryl 4L				
L	MG	9053	Carbaryl 4L	D	I	1527	Dursban 1% Granules
D	I	1012	Carbaryl 50W	D	I	1037	Dyfonate II 10-G
				D	I	1038	Dyfonate II 20-G

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	MG	9277	Early Harvest	L	I	1507	MVP Bioinsecticide
L	F	7329	Echo 500	L	I	1232	MVP II Bioinsecticide
L	F	7226	Echo 720	D	I	1261	Malathion 25 WP
D	F	7331	Echo 75 WDG	L	I	1236	Malathion 5 (57% EC)
D	F	7332	Echo 90DF	L	I	1228	Malathion 8E
L	H	4321	Enquik	L	I	1519	Malathion Aquamul (8E)
L	F	7246	Ensign 720	L	F	7064	Manex 4EC
L	M	9239	Envirepel	L	F	7117	Manex II (4EC)
L	I	1148	Ethyl Parathion 8E	D	F	7311	Mankocide
L	I	1309	Evergreen Emulsifiable 60-6	D	F	7024	Manzate 200 (80WP)
L	H	4509	Expedite	L	F	7067	Manzate 200 Flowable (4EC)
L	F	7254	Folicur	L	I	1426	Margosan-O Botanical Insecticide
L	H	4448	Frontier 6.0	L	I	1472	Mattch Bioinsecticide
D	I	1053	Furadan 15G	L	MS	9161	Metam Sodium 32.7%
L	H	4060	Fusilade 2000 (1EC)	L	MS	9262	Metam Sodium 42%
L	I	1538	Fyfanon 8lb. Emulsion	L	I	1075	Methoxychlor 4L
L	M	9266	Garlic Barrier AG Insect Repellent	L	I	1158	Methyl Parathion 4EC
L	I	1555	Gemstar LC	L	H	4231	Micro-Tech
L	H	4580	Glyfos	D	F	7289	Microspense COC 50DF
D	I	1682	Golden-Dew	D	I	1080	Mocap 10G
D	F	7333	Golden-Dew	L	I	1082	Mocap EC
L	H	4314	Gramoxone Extra (2.5L)	D	F	7259	Moncut 50WP
L	M	9267	Guardian Spray	L	I	1550	Neemix
L	M	9064	Hinder	L	I	1551	Neemix 4.5
D	I	1142	Javelin WG	D	I	1096	Nemacur 15G
L	F	7173	K-Cop	L	I	1097	Nemacur 3E
L	I	1252	Karate (1EC)	L	MS	9297	Nemasol 42%
D	F	7059	Kocide 101 (WP)	L	MS	9298	Nemasol 426
D	F	7262	Kocide 2000	D	F	7109	Nordox (WP)
L	F	7314	Kocide 4.5 LF	L	F	7300	Nu-Cop 3L
L	F	7126	Kocide 404S	D	F	7309	Nu-Cop 50DF
L	F	7060	Kocide 606 (Liq)	L	I	1098	Nudrin 1.8
D	F	7167	Kocide DF	D	I	1099	Nudrin 90 (WSP)
D	F	7137	Kumulus S	D	I	1546	Nufos 15G
D	I	1065	Lannate (90WSP)	D	I	1100	Omite 30W
L	I	1063	Lannate L (1.8 lbs.)	D	I	1102	Orthene 75 S
L	I	1064	Lannate LV (2.4 lbs.)	D	I	1481	Orthene 75 WSP
L	I	1067	Larvo-Bt	L	MG	9137	PGR-IV
L	H	4069	Lasso (4EC)	D	MG	9301	PGR-IV Granule
D	H	4070	Lasso II (15G)	L	I	1115	Parathion 8E
D	I	1068	Lorsban 15G				
L	I	1069	Lorsban 4E				
L	I	1434	Lorsban 4E-HF				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
D	H	4352	Partner WDG	D	I	1018	Sevin 80S
D	F	7098	Penncozeb DF (75%)	D	MG	9061	Sevin 80S
D	I	1240	Phorate 20-G	D	I	1496	Sevin 80WSP
L	H	4329	Pledge (4SL)	L	I	1399	Sevin Brand RP2
L	H	4081	Poast (1.5 EC)	L	I	1663	Sevin Liquid, Ortho
L	H	4703	Poast HC (3.5EC)	L	I	1019	Sevin XLR Plus (4E)
L	H	4334	Poast Plus (1EC)	L	MG	9062	Sevin XLR Plus (4E)
D	F	7209	Prevail	L	H	4100	Sonalan (3EC)
L	H	4573	Prism	D	H	4474	Sonalan 10G
D	F	7146	ProCop R (WP)	L	H	4507	Sonalan HFP
L	H	4481	Protocol	L	H	4341	Starfire (1.5L)
L	H	4086	Prowl (4EC)	L	MG	9273	Stimulate Yield Enhancer
L	H	4360	Prowl 3.3 EC	L	I	1311	Stirrup M (Biocontrol agent)
L	H	4254	Pursuit (2EC)	L	H	4272	Storm
D	H	4505	Pursuit DG	L	I	1036	Suffa (6L)
L	I	1210	Pyrellin E.C.	D	I	1394	Sulfur (92%)
L	I	1224	Pyrenone Crop Spray	D	I	1284	Sulfur 90W
L	I	1382	Pyrocide Emulsifiable 60-6	D	I	1391	Sulfur Dusting (98%)
L	F	7291	Quadris (aka Abound)	D	F	7118	Sulfur Dusting (98%)
L	H	4328	Rattler	L	I	1395	Sulfur Flowable (6F)
L	F	7192	Redball EM-53 Liquid Sulfur	L	F	7102	Sulfur Flowable (6F)
L	F	7286	Ridomil Gold EC	D	F	7034	Sulfur Wettable Powder (95%)
D	F	7307	Ridomil Gold GR	L	I	1387	Super Six
D	F	7341	Ridomil Gold PC	L	F	7093	Super Six
D	F	7342	Ridomil Gold PC GR	D	I	1462	Super-Sul (80WP)
D	F	7237	Ridomil MZ72 (WP)	D	F	7150	Super-Sul (80WP)
D	F	7107	Ridomil PC 11G	L	MS	9010	Telone C-17
L	H	4325	Rodeo	L	MS	9011	Telone II
L	H	4700	Roundup Custom	D	I	1124	Temik 15G
L	H	4376	Roundup D-Pak	L	F	7100	Tenn-Cop 5E
D	H	4702	Roundup EZ D	D	F	7035	Terraclor 10% Granular
L	H	4093	Roundup Original	L	F	7036	Terraclor 2 lb EC
D	H	4682	Roundup SoluGran	D	F	7037	Terraclor 75WP
L	H	4561	Roundup Ultra	L	F	7334	Terraclor Flowable
D	H	4538	Roundup WSD	D	F	7121	Terraclor Super X with Di-System
D	F	7031	Rovral (50WP)	L	I	1125	That Big 8 Flowable Sulfur (64% L)
L	F	7032	Rovral 4 Flowable	L	F	7147	That Big 8 Flowable Sulfur (64% L)
D	F	7272	Rovral 50 SP	L	I	1126	That Flowable Sulfur (52% L)
L	I	1191	Saf-T-Side	L	F	7148	That Flowable Sulfur (52% L)
L	H	4667	Scythe	D	I	1256	Thimet 15-G
L	MS	9174	Sectagon 42	D	I	1127	Thimet 20-G
L	H	4447	Select 2E	D	I	1187	Thiolux (80DF)
D	I	1171	Sevin 20% Bait	D	F	7038	Thiolux (80DF)
L	I	1132	Sevin 4F	L	I	1253	Thuricide 32B
L	MG	9058	Sevin 4F	D	I	1254	Thuricide HP (WP)
D	I	1015	Sevin 5% Bait				
D	I	1172	Sevin 50W				
D	MG	9060	Sevin 50W				

D/L	Class	Code	Product Name
L	F	7078	Top Cop Tri-Basic
L	F	7103	Top Cop with Sulfur
L	F	7316	Top Crop Flowable
L	F	7039	Topsin M 4.5F
D	F	7040	Topsin M 70W
L	H	4332	Tough (3.75 EC)
D	H	4498	Tough 45WP
L	H	4688	Tough 5 EC
L	H	4629	Treflan HFP
L	H	4110	Treflan M.T.F. (4EC)
L	H	4286	Tri-4 (EC)
D	F	7087	Tri-Basic Copper
D	MS	9166	Tri-Form 30
D	H	4452	Trifluralin 10G
L	H	4112	Trilin (4EC)
L	H	4113	Trilin AT (4EC)
L	F	7261	Trilogy 90EC

D/L	Class	Code	Product Name
L	MS	9012	Vapam (3.18 lb.)
D	H	4289	Vernam 10-G
L	H	4290	Vernam 7-E
L	F	7123	Vitavax-3F
D	F	7124	Vitavax-4G
L	MS	9013	Vorlex
L	I	1435	Warrior
L	I	1553	Warrior T
L	H	4309	Whip 1EC
D	I	1685	Xentari Biological Insecticide (DF)
D	I	1377	Xentari WDG
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

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 HOPPERS

- 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 27

- 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

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

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 Lister (Middle-Buster or Breaker)
- 46 Rotovator-bedder
- 47 Seed Bed roller, Flat Roller)
- 48 Subsoil-Bedder, Subsoiler
(Ripper-hipper, Tiller,
No-till Disk Bedder)
- 49 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
- 179 Float
- 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

