

Agricultural Resource Management Study
Corn Production Practices Report for 1998

CORN RESPONDENT BOOKLET

SEED VARIETY CODE LIST for CORN

Section B, item 16 . . .

- 1 Genetically modified **herbicide resistant** seed variety
(For example, RoundUp Ready, Liberty Link, etc.)
- 2 NON-genetically modified **herbicide resistant** seed variety
(For example, Contour, Resolve, Lightning, Poast or Headline - resistant variety, etc.)
- 3 **Bt** variety for insect resistance
(For example, YieldGard, NatureGard, Bt-Xtra, Maximizer, etc.)
- 4 Variety with **both** herbicide and insect resistance
(For example, RoundUp Ready plus YieldGard, 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

&

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 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	--	
	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 CORN, All

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4377	2,4-D/Amine 4	L	I	1140	Capture 2EC
L	H	4443	2,4-D/Class LV4	L	H	4469	Clarity 4L
L	H	4001	2,4-D/Dacamine 4D				
L	H	4204	2,4-D/Esteron 99 Concentrate	D	I	1009	Counter (15G)
				D	I	1241	Counter 20CR
L	H	4291	2,4-D/Formula 40				
L	H	4221	2,4-D/Hi-Dep	D	H	4350	Cropstar GB
				L	H	4181	Cyclone (2EC)
L	H	4232	2,4-D/Lithate				
L	H	4265	2,4-D/Salvo	L	I	1028	Dimethoate 2.67EC
L	H	4306	2,4-D/Weed-Rhap LV-4D	L	I	1029	Dimethoate 4EC
L	H	4003	2,4-D/Weedar 64	D	I	1198	Dipel 10G
L	H	4296	2,4-D/Weedone 638	L	I	1024	Dipel 4L
L	H	4298	2,4-D/Weedone LV4	L	I	1025	Dipel ES
L	H	4299	2,4-D/Weedone LV6				
				L	H	4534	Double Play
L	H	4006	AAtrex 4L				
D	H	4007	AAtrex 80W	L	H	4051	Dual (8E)
D	H	4008	AAtrex Nine-O (WP)	D	H	4050	Dual 25G
				L	H	4466	Dual II
D	H	4339	Accent (75DG)				
L	I	1002	Ambush (2EC)	D	I	1037	Dyfonate II 10-G
				D	I	1364	Dyfonate II 15-G
L	H	4041	Atrazine 4L	D	I	1038	Dyfonate II 20-G
L	H	4042	Atrazine 5L				
D	H	4043	Atrazine 80 (WP)	D	H	4446	Eradicane 25G
D	H	4044	Atrazine 90DF	L	H	4202	Eradicane 6.7E
				L	H	4054	Eradicane Extra (6EC)
D	I	1468	Aztec 2.1 Granular				
				D	H	4523	Exceed 64.6 DF
L	H	4136	Banvel (4L)				
L	H	4138	Banvel II (2L)	L	H	4208	Extrazine II 4L
L	H	4327	Banvel SGF (2EC)	D	H	4209	Extrazine II DF
L	H	4019	Basagran (4L)	L	H	4210	Fallow Master
D	H	4521	Basis (WDG)	D	I	1149	Force 1.5G
D	H	4611	Basis Gold SP	D	I	1440	Force 3G
D	H	4619	Battalion	D	I	1397	Fortress
D	H	4140	Beacon (75DF)	L	H	4448	Frontier 6.0
				L	H	4597	Fultime Herbicide
L	H	4021	Bicep 6L				
L	H	4470	Bicep II	D	I	1053	Furadan 15G
L	H	4468	Bicep Lite	L	I	1054	Furadan 4F
L	H	4022	Bladex 4L	L	H	4063	Goal 1.6E
D	H	4023	Bladex 80WP	L	H	4314	Gramoxone Extra (2.5L)
D	H	4143	Bladex 90DF				
				L	H	4494	Guardsman Herbicide
L	H	4489	Broadstrike + Dual				
				L	H	4490	Harness Plus
L	H	4024	Buctril (2EC)	L	H	4529	Harness Xtra
L	H	4026	Buctril + Atrazine (1+2EC)				
				D	H	4517	Hornet
L	H	4027	Bullet (4EC)				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4068	Laddok	L	H	4048	Simazine 4L
L	H	4326	Landmaster II	D	H	4342	Simazine 90DF
L	H	4230	Lariat (4F)	L	H	4320	Stinger (3EC)
L	H	4069	Lasso (4EC)	L	H	4516	Surpass 100
D	H	4070	Lasso II (15G)	D	H	4577	Surpass 20G
L	H	4231	Lasso Micro-Tech (4E)	L	H	4515	Surpass EC
D	H	4607	Lightning	L	H	4104	Sutan+ 6.7E
D	H	4075	Linex 50DF	L	H	4277	Sutazine+ (EC)
D	H	4077	Lorox DF (50%)	D	I	1256	Thimet 15-G
D	I	1068	Lorsban 15G	D	I	1127	Thimet 20-G
L	I	1069	Lorsban 4E	L	F	7076	Tilt (3.6EC)
D	I	1443	M-Peril	D	F	7225	Tilt Gel
L	H	4235	Marksman	L	H	4530	Topnotch
L	I	1115	Parathion 8E	L	H	4332	Tough (3.75 EC)
D	H	4352	Partner WDG	L	H	4109	Treflan 5 (EC)
L	I	1164	Penncap-M (2 lbs.)	L	H	4629	Treflan HFP
D	H	4525	Permit 75DF	L	H	4110	Treflan MTF (4EC)
L	H	4334	Poast Plus (1EC)	L	I	1435	Warrior
D	I	1105	Pounce 1.5G				
D	I	1106	Pounce 25WP				
L	I	1107	Pounce 3.2EC				
L	H	4570	Prestige (1EC)				
L	H	4084	Princep 4L				
D	H	4249	Princep Caliber 90				
L	H	4086	Prowl (4EC)				
L	H	4360	Prowl 3.3 EC				
L	H	4254	Pursuit (2EC)				
D	H	4505	Pursuit DG				
L	H	4255	Pursuit Plus (EC)				
D	H	4088	Ramrod 20 (G)				
L	H	4089	Ramrod Flowable (4L)				
D	I	1532	Regent 80 WG				
D	H	4526	Resolve SG				
L	H	4093	Roundup (4L)				
L	H	4561	Roundup Ultra				
D	H	4575	Scorpion III				
L	H	4095	Sencor 4				
D	H	4096	Sencor DF (75%)				
L	I	1019	Sevin XLR Plus (4E)				
L	H	4554	Shotgun Flowable Herbicide				

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

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, 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

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)

- 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

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)

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

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

