

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

RESPONDENT BOOKLET

SEED VARIETY CODE LIST for SOYBEANS

Section B, item 15 . . .

- | |
|---|
| <p>1 herbicide (Roundup) resistant varieties--
(Monsanto Roundup Ready Soybeans, such as
Asgrow AG2701, AG2901, AG3001, AG3301,
AG3601, AG3701, AG4401, AG4501, AG4601,
AG4701, AG5601, AG5801, AG5901, AG6101

GrowMark HiSoy RT316, RT386, RT446

Hartz H5088RR, H5164RR, H5566RR, H6686RR,
H750RR

Midwest Seed Co. G2707RR, G2805RR, G3608RR,
G3909RR

Pioneer 9294, 9333, 9344, 9363, 9396 or other)</p> <p>5 none of these?</p> |
|---|

PEST RESISTENT VARIETY CODE LIST

Section B, item 16 . . .

- | |
|---|
| <p>1 Increase yields through improved pest (<i>weeds, insects or diseases</i>) control,</p> <p>2 Decrease pesticide input costs,</p> <p>3 Increase planting flexibility, (<i>for example, easier to rotate crops, reduce carryover, use reduced tillage or no-till systems, etc.</i>)</p> <p>4 Adopt more environmentally friendly practices</p> <p>5 For some other reason(s)?</p> |
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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 |

CHEMICALS and PESTICIDES for SOYBEANS

D/L	Class	Code	Name	D/L	Class	Code	Name
L	H	4351	2,4-D/Agasco 400 (EC)	D	H	4161	Canopy (75DG)
L	H	4377	2,4-D/Amine 4	D	H	4167	Classic (25DG)
L	H	4204	2,4-D/Esteron 99	L	H	4169	Cobra (2E)
L	H	4221	2,4-D/Hi-Dep	L	H	4171	Command 4EC
L	H	4265	2,4-D/Salvo	L	H	4172	Commence EC
L	H	4003	2,4-D/Weedar 64	D	H	4467	Concert 25DF
L	H	4296	2,4-D/Weedone 638	L	H	4565	Conclude B&G
L	H	4298	2,4-D/Weedone LV4	L	I	1027	Cygon 400 (4EC)
L	H	4299	2,4-D/Weedone LV6	L	H	4535	Detail (EC)
L	H	4306	2,4-D/Weed-Rhap LV-4D	D	I	1047	Diazinon 14G
D	I	1001	Ambush 25W	L	I	1041	Diazinon 4E
L	I	1002	Ambush (2EC)	D	I	1050	Diazinon 50W
L	I	1004	Asana XL (.66EC)	L	I	1046	Diazinon AG500 (4E)
L	H	4371	Assure II	L	I	1028	Dimethoate 2.67EC
L	H	4019	Basagran (4L)	L	I	1029	Dimethoate 4EC
D	F	7003	Benlate (50WP)	L	I	1024	Dipel 4L
L	H	4146	Blazer 2L	L	I	1025	Dipel ES
L	F	7007	Bravo 500 (4.17EC)	D	H	4050	Dual 25G
L	F	7008	Bravo 720 (6EC)	L	H	4466	Dual II
D	F	7009	Bravo 90DG	L	H	4051	Dual (8E)
L	H	4489	Broadstrike + Dual	L	H	4532	Flexstar
L	H	4493	Broadstrike + Treflan	L	H	4215	Freedom
L	H	4154	Bronco (4EC)	L	H	4448	Frontier 6.0
L	H	4380	Bugle (EC)	D	I	1053	Furadan 15G
L	H	4158	Butoxone 200 (2EC)	L	I	1054	Furadan 4F
L	H	4311	Butoxone (1.75EC)	L	H	4060	Fusilade 2000 (1EC)
L	H	4159	Butyrac 175 (1.75EC)	L	H	4442	Fusion
L	H	4160	Butyrac 200 (2EC)	L	H	4217	Galaxy
				L	H	4314	Gramoxone Extra

		(2.5L)	L	H	4256 Reflex 2LC
			L	H	4563 Reliance STS SP
D	H	4139 Harmony Extra (DF)	L	F	7027 Ridomil 2E
L	I	1063 Lannate L (1.8 lbs.)	L	H	4561 Roundup Ultra
L	I	1064 Lannate LV (2.4 lbs.)	L	H	4093 Roundup (4L)
D	I	1065 Lannate (90WSP)			
L	I	1066 Larvin 3.2	D	H	4318 Scepter 70DG
			L	H	4267 Scepter OT (2.5L)
			L	H	4266 Scepter (1.5L)
D	H	4070 Lasso II (15G)			
L	H	4231 Lasso Micro-Tech (4E)	L	I	1170 Scout X-TRA (0.9 lb EC)
L	H	4069 Lasso (4EC)			
L	H	4072 Lexone 4L	L	H	4095 Sencor 4
D	H	4073 Lexone DF	D	H	4096 Sencor DF (75%)
L	H	4074 Linex 4L			
D	H	4075 Linex 50DF			
D	H	4077 Lorox DF (50%)			
L	H	4076 Lorox L (4lbs.)			
D	H	4234 Lorox Plus (60DG)			
D	I	1068 Lorsban 15G			
L	I	1069 Lorsban 4E			
L	H	4579 Manifest B&G			
L	I	1158 Methyl Parathion 4EC			
L	I	1086 Methyl Parathion 6EC			
L	I	1088 Methyl Parathion 7.5EC			
D	I	1080 Mocap 10G			
D/L	Class	Code Name			
D	I	1102 Orthene 75 S			
D	H	4352 Partner WDG			
L	H	4244 Passport			
L	I	1164 Penncap-M (2 lbs.)			
D	H	4245 Pinnacle (25DF)			
L	H	4334 Poast Plus (1EC)			
L	H	4081 Poast (1.5 EC)			
D	I	1106 Pounce 25WP			
L	I	1107 Pounce 3.2EC			
L	H	4570 Prestige (1EC)			
D	H	4248 Preview			
L	H	4360 Prowl 3.3 EC			
L	H	4086 Prowl (4EC)			
L	H	4255 Pursuit Plus (EC)			
L	H	4254 Pursuit (2EC)			

D/L		Class Code	Name
L	I	1132	Sevin 4F
D	I	1172	Sevin 50W
D	I	1015	Sevin 5% Bait
D	I	1018	Sevin 80S
L	I	1019	Sevin XLR Plus (4E)
D	H	4474	Sonalan 10G
L	H	4100	Sonalan (3EC)
L	H	4269	Squadron (EC)
L	H	4582	Steel
L	H	4571	Stellar Herbicide
L	H	4272	Storm
D	I	1256	Thimet 15-G
D	I	1127	Thimet 20-G
L	H	4282	Tornado (EC)
L	H	4109	Treflan 5 (EC)
L	H	4108	Treflan EC (4Lbs.)
L	H	4110	Treflan MTF (4EC)
D	H	4111	Treflan TR-10 (10G)
L	H	4286	Tri-4 (EC)
L	H	4368	Trilin 5
L	H	4112	Trilin (4EC)
L	H	4287	Tri-Scept (EC)
L	H	4288	Turbo 8EC
L	H	4533	Typhoon
L	I	1435	Warrior
D	H	4310	Zorial Rapid 80 (DF)

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
(flea-hoppers, 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 Broadleaves
- 174 Annual Broadleaves
- 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

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

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

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 Stackler, 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

PTO - Power Take-off
 WD - Wheel Drive

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	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	EXTENSION A DVISOR, P UBLICATIONS OR D EMONSTRATIONS (COUNTY, COOPERATIVE OR UNIVERSITY)
2	F ARM S UPPLY OR C HEMICAL D EALER
3	C OMMERCIAL S COUTING S ERVICE
4	C ROP C ONSULTANT OR P EST C ONTROL A DVISOR
5	O THER G ROWERS OR P RODUCERS
6	P RODUCER A SSOCIATIONS, N EWSPLETTER OR T RADE M AGAZINES
7	E LECTRONIC I NFORMATION OR S ERVICES (WORLD WIDE WEB, DTN, ETC.)
8	O THER
9	N ONE

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

LANDLORD COST

Seed Costs	
a.	Purchased Seed
Fertilizer Costs	
b.	Fertilizer custom applications
c.	Fertilizer materials
Chemicals/Pesticides Costs	
d.	Chemicals/pesticides custom applications
e.	Chemicals/pesticides materials
Technical Services	
f.	Soil tests or plant tissue tests
g.	Scouting services
h.	Biological pest controls and their application
i.	Other custom technical services [Specify _____]
Custom Field Operations and Services	
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
o.	Custom drying
p.	Other custom services [Specify _____]
Irrigation and Water Management Costs	
q.	Fuel, lubrication and electricity for irrigation
r.	Repairs for irrigation equipment
s.	Purchased irrigation water

SECTION I, item 1