

# SOYBEAN RESPONDENT BOOKLET

## SEED VARIETY CODE LIST for SOYBEANS

- Section B, item 8 . . . . .
- |   |   |
|---|---|
| 1 | Genetically-modified herbicide resistant seed variety |
| 6 | Variety planted not listed above                      |

## REASONS FOR SEED VARIETY

- Section B, item 9 . . . . .
- |   |   |
|---|---|
| 1 | Increase yields through improved pest<br>(weeds, insects or diseases) control?  |
| 2 | Decrease pesticide input costs?   |
| 3 | Increase planting flexibility?<br>(For example, easier to rotate crops, reduce carryover use<br>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                         |

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 <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	--	
	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 SOYBEANS**

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	H	4351	2,4-D/AgSCO 400 (EC)	D	I	1670	Condor (WP)
L	H	4377	2,4-D/Amine 4	D	I	1528	Costar Biological Insecticide
L	H	4444	2,4-D/Class 40A	L	H	4654	Cyclone Concentrate
L	H	4443	2,4-D/Class LV4	L	M	9269	Cytoplex HMS
D	H	4184	2,4-D/Defy	L	I	1557	Declare Insecticide
L	H	4204	2,4-D/Esteron 99 Concentrate	L	MD	9285	Defol 750
L	H	4291	2,4-D/Formula 40	L	H	4535	Detail (EC)
L	H	4221	2,4-D/Hi-Dep	L	I	1251	Dibrom 8 Miscible
L	H	4265	2,4-D/Salvo	L	I	1267	Dimethoate 400
L	H	4306	2,4-D/Weed-Rhap LV-4D	L	I	1352	Dimilin 4L
L	H	4003	2,4-D/Weedar 64	L	I	1024	Dipel 4L
L	H	4296	2,4-D/Weedone 638	L	I	1025	Dipel ES
L	H	4298	2,4-D/Weedone LV4	L	H	4039	Direx 4L
L	H	4299	2,4-D/Weedone LV6	L	H	4051	Dual (8E)
D	I	1672	Able	D	H	4050	Dual 25G
D	H	4657	Achieve 40DG	L	H	4466	Dual II
L	I	1002	Ambush (2EC)	L	H	4460	Dual II Magnum
L	H	4131	Arrow 4EC	L	H	4659	Dual Magnum
L	I	1003	Asana (1.9EC)	L	MG	9277	Early Harvest
L	I	1004	Asana XL (.66EC)	L	F	7329	Echo 500
L	H	4371	Assure II	D	F	7331	Echo 75 WDG
D	H	4603	Authority Broadleaf	D	F	7332	Echo 90DF
D	H	4651	Axiom DF	L	H	4615	Finale
L	H	4136	Banvel (4L)	D	H	4643	First Rate
L	H	4019	Basagran (4L)	L	H	4532	Flexstar
L	H	4470	Bicep II	L	H	4215	Freedom
L	H	4146	Blazer 2L	L	H	4448	Frontier 6.0
D	F	7241	Bravo Ultrex (82.5 WDG)	D	H	4644	Frontrow
L	H	4489	Broadstrike + Dual	D	I	1053	Furadan 15G
L	H	4493	Broadstrike + Treflan	L	I	1054	Furadan 4F
D	H	4596	Broadstrike WDG	L	H	4060	Fusilade 2000 (1EC)
L	H	4311	Butoxone (1.75 EC)	L	H	4492	Fusilade DX
D	H	4696	Butoxone 7500	L	H	4442	Fusion
L	H	4159	Butyrac 175 (1.75EC)	L	H	4217	Galaxy
L	H	4160	Butyrac 200 (EC)	L	I	1555	Gemstar LC
D	H	4161	Canopy (75DG)	L	H	4063	Goal 1.6E
D	H	4610	Canopy XL	D	I	1682	Golden Dew
D	H	4167	Classic (25DG)	D	F	7333	Golden Dew
L	H	4169	Cobra (2E)	L	H	4314	Gramoxone Extra (2.5L)
L	H	4578	Command 3ME	L	H	4064	Gramoxone Super (1.5L)
L	H	4171	Command 4EC	D	H	4139	Harmony Extra (DF)
L	H	4172	Commence EC				
D	H	4467	Concert 25DF				
L	H	4565	Conclude B&G				
L	H	4698	Conclude Ultra B&G				
L	H	4697	Conclude Xtra B&G				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	I	1252	Karate (1EC)	L	H	4086	Prowl (4EC)
L	H	4326	Landmaster II	L	H	4360	Prowl 3.3 EC
L	I	1063	Lannate L (1.8 lbs.)	L	H	4254	Pursuit (2EC)
L	I	1064	Lannate LV (2.4 lbs.)	D	H	4505	Pursuit DG
L	I	1066	Larvin 3.2	L	H	4255	Pursuit Plus (EC)
L	H	4069	Lasso (4EC)	D	H	4646	Python WDG
D	H	4070	Lasso II (15G)	D	H	4090	Ramrod 65 (WP)
L	MD	9230	Leafex 3	L	H	4604	Raptor
D	I	1671	Lepinox WDG	D	H	4699	Raptor DG
L	H	4072	Lexone 4L	L	H	4256	Reflex 2LC
D	H	4073	Lexone DF	D	I	1653	Regent 80 WG
L	H	4640	Liberty	L	H	4563	Reliance STS SP
D	H	4075	Linex 50DF	L	H	4527	Resource 0.86 EC
D	H	4077	Lorox DF (50%)	L	H	4500	Rezult
L	H	4076	Lorox L (4lbs.)	D	F	7341	Ridomil Gold PC
D	H	4234	Lorox Plus (60DG)	D	F	7342	Ridomil Gold PC GR
L	I	1069	Lorsban 4E	L	H	4700	Roundup Custom
L	I	1507	MVP Bioinsecticide	L	H	4376	Roundup D-Pak
L	I	1232	MVP II Bioinsecticide	D	H	4702	Roundup EZ Dry
L	I	1236	Malathion 5EC (57%)	L	H	4093	Roundup Original
L	H	4579	Manifest B&G	L	MD	9172	Roundup Original
L	H	4612	Matador Herbicide	L	H	4561	Roundup Ultra
L	I	1158	Methyl Parathion 4EC	L	H	4675	Saber Herbicide
L	I	1086	Methyl Parathion 6EC	L	H	4264	Salute 4EC
L	H	4231	Micro-Tech	L	H	4266	Scepter (1.5L)
D	I	1546	Nufos 15G	D	H	4318	Scepter 70DG
D	I	1102	Orthene 75 S	L	H	4267	Scepter OT (2.5L)
D	MG	9301	PGR-IV Granule	L	H	4447	Select 2E
D	H	4352	Partner WDG	L	H	4095	Sencor 4
L	I	1164	Pennacap-M (2 lbs.)	D	H	4096	Sencor DF (75%)
D	H	4245	Pinnacle (25DF)	L	I	1132	Sevin 4F
L	H	4081	Poast (1.5 EC)	L	I	1019	Sevin XLR Plus (4E)
L	H	4703	Poast HC (3.5EC)	D	H	4671	Skirmish
L	H	4334	Poast Plus (1EC)	L	MD	9040	Sodium Chlorate 3lb
L	MG	9231	Poly-Foliant V	L	H	4100	Sonalan (3EC)
L	I	1107	Pounce 3.2EC	L	H	4269	Squadron (EC)
L	H	4570	Prestige (1EC)	L	MD	9080	Starfire (1.5L)
D	H	4248	Preview	L	H	4598	Status Herbicide
L	H	4084	Princep 4L	L	H	4582	Steel
				L	H	4571	Stellar Herbicide
				L	MG	9273	Stimulate Yield Enhancer
				L	H	4272	Storm
				L	H	4515	Surpass EC
				D	H	4501	Synchrony STS

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
D	I	1124	Temik 15G	L	H	4112	Trilin (4EC)
L	F	7316	Top Crop Flowable	L	H	4113	Trilin AT (4EC)
L	H	4282	Tornado (EC)	L	H	4368	Trilin 5
L	H	4662	Touchdown 5	L	H	4367	Trust (4EC)
L	H	4362	Touchdown 6	L	H	4288	Turbo 8EC
L	H	4109	Treflan 5 (EC)	L	H	4533	Typhoon
L	H	4108	Treflan EC (4Lbs.)	L	I	1435	Warrior
L	H	4629	Treflan HFP	L	I	1553	Warrior T
L	H	4110	Treflan MTF (4EC)				
D	H	4111	Treflan TR-10 (10G)	D	I	1685	Xentari Biological Insecticide (DF)
L	H	4286	Tri-4 (EC)	L	H	4673	Zorial Flowable
L	H	4287	Tri-Scept (EC)	D	H	4310	Zorial Rapid 80 (DF)
L	H	4450	Trifluralin 4 (EC)				

**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

## 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

# 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.)*

## 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 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