

**2009 AGRICULTURAL RESOURCE
MANAGEMENT SURVEY
Phase II
RESPONDENT BOOKLET
for**

Version 41 (ORGANIC WINTER WHEAT)

Version 42 (ORGANIC DURUM WHEAT)

Version 43 (ORGANIC SPRING WHEAT)

Section B, item 12

**REASONS FOR CHOOSING
ORGANIC PRODUCTION SYSTEM**

- 1 Protect health of family and community?
- 2 Adopt more environmentally friendly practices?
- 3 Increase farm Income?
- 4 For some other reason? [*Specify:*_____]
- 5 All of the above

Section B, item 27a

FEDERAL CROP INSURANCE COVERAGE

- 1 **Basic Catastrophic Insurance** (*Federal CAT*) bought for a flat fee and protects against crop loss greater than 50% of average yield, at 55% of the price.
- 2 **Buy-up Above Basic Federal CAT** for higher levels of yield and price protection (*such as 65% of yield and 100% Price, multi peril crop insurance*).
- 3 **Revenue Insurance** include Income Protection (IP), Crop Revenue Coverage (CRC), and Revenue Assurance (RA).
- 4 **Organic Plan Insurance** includes:
 - 1) certified organic acreage,
 - 2) transitional acreage being converted to certified organic, and
 - 3) buffer zone acreage.
- 5 **Other Federal Crop Insurance** (*Group Risk Plan, Adjusted Gross Revenue, Group Risk Income Protection, etc.*).

Section C, Column 6 & Section D, Column 9

**FERTILIZER/PESTICIDE
APPLICATION METHODS**

- 1 Broadcast, ground without incorporation
- 2 Broadcast, ground with incorporation
- 3 Broadcast, by aircraft
- 4 In seed furrow
- 5 In irrigation water
- 6 Chisel/Injected or knifed in
- 7 Banded in or over row
- 8 Foliar or directed spray
- 9 Spot treatments (**Section D only**)

Section C, item 4

Common Organic Nutrients/Fertilizers and Their Percent Analysis

[Enumerator Note: *If Respondent cannot report the formulation for Section C, column 7, use the formulations below.*]

Name	Form	Percent Active Ingredients			
		N	P ₂ O ₅	K ₂ O	S
Bone meal.	D	0-4	10-20	---	---
Elemental sulfur.	D	---	---	---	52-100
Greensand.	D	---	1	6	---
Magnesium sulfate.	D	---	---	---	13
Manure processed (with analysis).	D	2-7	1-5	1-7	---
Nature safe organic fertilizer.	D	2-15	0-6	0-9	0-8
Phosphate rock.	D	---	2-35	---	---
Phosphoric acid.	L	---	2-76	---	---
Potassium carbonate.	D	---	---	34-48	---
Potassium chloride (Muriate of potash).	D	---	---	60-62	---
Potassium magnesium sulfate.	D	---	---	22	23
Potassium metaphosphate.	D	---	55-57	37-38	---
Potassium nitrate.	D	13	---	44	---
Potassium orthophosphate.	D	---	30-60	30-50	---
Potassium polyphosphate.	L	---	40-60	22-48	---
Potassium sodium nitrate.	D	15	---	14-15	---
Potassium solutions.	L	---	---	13-15	---
Potassium sulfate.	D	---	---	50-53	16
Sodium nitrate.	D	15-16	---	---	---
Sulfuric acid.	L	---	---	---	20-26
Super phosphate (22% & under).	D	---	16-22	---	11
Super phosphate (over 22%).	D	---	23-39	---	11
Triple super phosphate.	D	---	40-54	---	11
Urea.	D	45-46	---	---	---
Urea phosphate.	D	17	44	---	---

CHEMICALS and PESTICIDES for Certified Organic Wheat, All

F = Fungicide; **H** = Herbicide; **I** = Insecticide; **M** = Misc. Other; **MD** = Defoliant/Dessicant; **MG** = Growth Regulator
AS = Aqueous Suspension, **D** = Dust, **DF** = Dry flowable, **DG** = Water-Dispersible Granules, **E** or **EC** = Emulsifiable Concentrate,
ES = Emulsifiable solution, **F** or **L** = Flowable, **G** or **GR** = Granular, **L** = Liquid, **LV** = Low volatility, **M** or **ME** = Microencapsalted,
P = Pellets, **S** = Solution, **SC** = Soluble Concentrate, **SL** = Slurry, **SP** = Soluble powder, **W** or **WP** = Wettable powder,
WDG or **WG** = Water-Dispersible Granules, **WSP** = Water-soluble packet

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
D	F	7635	Actinovate SP	L	I	1555	Gemstar LC
L	I	1893	Agroneem	L	I	1942	GF-120 NF Naturalyte Fruit Fly Bait
L	I	2155	AMV AC AZA 3% EC				
L	I	1729	Azatin XL				
				D	I	1142	Javelin WG
				L	I	1059	Javelin
L	F	7634	Ballad Plus	D	I	1154	Javelin WP
D	I	1812	Biobit HP WP				
D	I	1488	Biobit HP WP II				
D	F	7217	Blue Shield 50 WP	D	F	7262	Kocide 2000
				D	F	7607	Kocide 3000
D	F	7051	Champion WP				
L	I	1282	Condor	D	I	1671	Lepinox WDG
D	I	1670	Condor WP				
L	I	2152	Condor XL				
D	I	1168	Conserve Fire Ant Bait	L	I	1322	M-Pede
D	I	1173	Conserve Professional Fire Ant Bait				
L	I	1186	Conserve SC				
D	I	1477	Crymax WDG	L	I	1756	Naturalis L
				L	F	7321	Neem Oil 70 %
				L	I	2156	Neemazad 1% EC
L	I	1025	Dipel ES	D	F	7658	Nu-Cop 50 WP
D	I	1023	Dipel 2X (WP)	D	F	7658	Nu-Cop XLR
D	I	1516	Dipel DF	D	F	7167	Nu-Cop 40 DF
D	I	2153	Dipel WDG	L	F	7300	Nu-Cop 3L
D	I	1026	Dipel WP				
				L	I	1957	PyGanic EC 1.4 II
L	I	1719	Ecozin 3%EC	L	I	1958	PyGanic EC 5.0 II
D	I	1900	Entrust				

D/L	Class	Code	Product Name
L	F	7639	Serenade ASO
D	F	7484	Serenade WP
D	F	7588	Serenade MAX
L	F	7569	Sonata AS
L	I	1183	Spod-X LC
D	F	7183	Sulfur (92%)
L	I	1454	SuperNeem 4.5-B

D/L	Class	Code	Product Name
D	F	7033	Yellow Jacket Wettable Sulfur II 90%
L	F	7665	Yellow Jacket Flowable Sulfur

L	I	1167	That Flowable Sulfur (52%)
L	I	7103	Top Cop with Sulfur

D	I	1685	Xentari Biological Insecticide (DF)
D	I	1377	Xentari WDG
L	I	2154	Xentari AS

Conversion Factors for Liquid and Dry Products

Liquid Products	Dry Products
1 Gallon = 4 Quarts	1 Pound = 16 Dry Ounces
1 Quart = 2 Pints	1 Ounce = 28.3 Grams
1 Pint = 16 Fluid Ounces	1 Pound = 453 Grams
2 Cups = 1 Pint	

Section E, item 25

PEST MANAGEMENT INFORMATION SOURCES

- 1 County, Cooperative, or University Extension Advisor, Publications or Demonstrations
- 2 Farm Supply or Chemical Dealer
- 3 Commercial Scouting Service
- 4 Independent Crop Consultant or Pest Control Advisor/Custom Applicator
- 5 Other Growers or Producers
- 6 Producer Associations, Newsletters or Trade Magazines
- 7 Electronic Information Services (*DTN, Internet, World Wide Web, etc.*)
- 8 Employee Pest Advisor
- 9 Other – [Specify: _____]
- 10 None – Operator used no **outside** information source

Section F, item 3, columns 3 & 4
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

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)
67	Root Crown Puller
68	Stalk Puller/Chopper

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	Float
46	Lister (Middle-buster)
47	Rorovator-bedder
48	Seedbed Roller (Flat Roller)
49	Sub-soil Bedder (Ripper-hipper)
50	Discovator

PACKERS	
51	Culti-packer (Pulverizer, Crow-foot, Serrated, Ring, Spiral)
Roller-packer	
52	Attachment
53	Smooth & Flat

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
28	Fallow Master

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

FERTILIZER APPLICATORS	
71	Aerial (Airplane)
72	Attachment to implement
73	Manure Spreader
74	Self-propelled
75	Truck Spreader
Tractor Mounted	
76	Anhydrous
77	Dry
78	Liquid
Trailer Mounted	
79	Anhydrous
80	Dry
81	Liquid

CHEMICAL APPLICATIONS

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

DRILLS and SEEDERS

- 101 Aerial Seeding
- 102 Broadcast Seeder

Drill

- 103 Air Delivery
- 104 Lister Disk
- 105 No-till or minimum till
- 106 Plain
- 107 Press, Disk or Hoe

HARVESTING EQUIPMENT

Small Grains/Row Crops Combine

- 121 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
- 133 Corn Picker
- 134 Hand Harvesting

PTO Power Take-off

WD Wheel Drive

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 Dicer, Dammar Dicer,
Dicer)
- 180 Land Plane Leveler
(Water Leveler)
- 181 Laser Planer, Laser Leveler
- 182 Gate Setter
- 183 Bull Dozer

ENUMERATOR NOTE:

*For Land Forming Equipment codes
171 – 183, enter Total Hours Operated
in column 10.*

MOWERS and BALERS

- 141 Amish Harvester

Baler

- 145 Motor Mounted
- 146 PTO (Large)
- 147 PTO (Small)
- 148 Self-propelled
- 159 Stacker, Automatic

Mowers

- 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
- 162 Hay Tedder
- 234 Brush Rake Sweeper

HAULING EQUIPMENT

Bale wagon/mover

- 142 Bale wagon (PTO)
- 143 Bale Wagon (Self-propelled)
- 144 Bale Loader
- 158 Stack Mover
- 160 Front End Loader
- 161 Round Bale Mover
- 195 Hay wagon
- 224 Forklift

Trailers

- 194 General Purpose Wagon or Cart
- 195 Hay Wagon
- 208 Gravity Wagon
- 209 Grain Cart with Auger
- 221 Forage Wagon
- 222 Dump Wagon
- 229 Bin Trailer
- 228 Other Trailers

Trucks

- 301 Single Axle
- 302 Tandem Axle
- 303 Tri Axle
- 304 Semi
- 305 Other Trucks

ENUMERATOR NOTE:

*For Hauling Equipment codes above,
enter Total Hours Operated in
column 10.*

OTHER IMPLEMENTS

- 191 Burn Buggy
- 192 Chaff/straw Saver
- 193 Electric-discharge Weed Killer
- 196 Off-field Thresher
- 197 Rock Picker
- 198 Rock Windower 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
- 207 Tractor or Truck–No attachments
- 223 Flame Thrower

Section G, item 2
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

Section G, item 10
RUN-OFF CODES

- | |
|---|
| 1 Retained at the end of the field? |
| 2 Reused to irrigate on the farm? |
| 3 Collected in evaporation ponds on the farm? |
| 4 Drained from the farm? |
| 5 There is no runoff. |