

**AGRICULTURAL RESOURCE  
MANAGEMENT SURVEY  
ORGANIC APPLE  
PRODUCTION PRACTICES and  
COSTS REPORT  
for 2007**

**RESPONDENT BOOKLET**



**Section A, item 1c & Section B, item 7**

**APPLE  
VARIETY CODES**

Braeburn.....	067	Idared.....	269	Red Delicious.....	464
Cortland.....	117	Jonagold.....	281	Rome.....	503
Empire.....	164	Jonathan/Philip Ric.....	285	Spartan.....	557
Fuji.....	189	McIntosh.....	350	Stayman/Stayman Winesap...	574
Gala.....	193	Mutsu/Crispin.....	125	Winesap.....	666
Golden Delicious.....	212	Newtown Pippin/ Yellow Newtown.....	381	York/York Imperial.....	681
Granny Smith.....	226	Northern Spy/Red Spy/ Red Northern Spy.....	387	Other.....	999
Heirloom.....	998	Pink Lady.....	423		

**Section B, item 9**

**ROOTSTOCKS**

- 1 **Standard** – large full-sized trees that may grow more than 25 feet tall.
- 2 **Dwarf** – trees planted on dwarf rootstocks will grow 10 to 12 feet tall.
- 3 **Semi-dwarf** – trees planted on semi-dwarf rootstocks will reach a height of 15 to 20 feet.
- 4 **Other** – trees planted on rootstocks other than the sizes above.

**Section B, item 10**

**ORCHARD FLOOR MANAGEMENT SYSTEM**

- 1 **Grass Alleys** (between tree rows with vegetation-free strips in the tree row)
- 2 **Vegetative Cover** (Solid)
- 3 **Clear Cultivation** (Either by cultivation or herbicides)
- 4 **Mulches** (In the tree row)
- 5 **Other**

**Section B, item 11**  
**REASON 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: \_\_\_\_\_]

**Section B, item 25a**  
**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
- 5 In irrigation water
- 6 Chisel/injected or knifed in
- 7 Banded/sidedressed
- 8 Foliar or directed spray
- 9 Spot treatments (**Section D only**)
- 10 Air Blast

**Section C, item 4**

**Common Fertilizers and Their Percent Analysis**

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

Name	Form	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Percent Active Ingredients
					S
Ammonia	D/L	80	---	---	---
Ammoniated superphosphate.	D	12-17	22-35	---	---
Ammonium metaphosphate.	D	12	51	---	---
Ammonium nitrate.	D	32-34	---	---	---
Ammonium phosphate.	D	11-18	46-48	---	---
Ammonium phosphate nitrate.	D	27-30	10-15	---	---
Ammonium phosphate sulfate (APS).	D	13-16	20	---	15
Ammonium polyphosphate (APP).	L	10-11	34-37	---	---
Ammonium polysulfide (Ammonium Sulfate).	L	20-21	---	---	24
Ammonium sulfate nitrate.	D	20-30	---	---	5
Ammonium thiosulfate solution.	L	12	---	---	26
Anhydrous ammonia.	L/G	82	---	---	---
Aqua ammonia (Ammonium Hydroxide).	L	16-25	---	---	---
Bone meal.	D	0-2	10-20	---	---
Calcium ammonium nitrate.	D	15-16	---	---	---
Diammonium phosphate sulfur.	D	15-16	39-41	---	---
Diammonium phosphate (DAP).	D	16-21	46-53	---	---
Elemental sulfur.	D	---	---	---	52-100
Greensand.	D	---	1	6	---
Magnesium sulfate.	D	---	---	---	13
Mixed fertilizer.	D	2	6	12	---
		3	9	18	---
		3	10	30	---
		5	10	15	---
		5	10	30	---
		5	15	30	---
		8	24	24	---
		9	18	9	---
		10	34	---	---
Monoammonium phosphate (MAP).	D	11-13	48-62	---	---
Natralene	D/L	40	---	---	---
Nitrogen solutions.	L	7-58	---	---	---
Nitric phosphate.	D	12-17	22-35	---	---
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 (Nitrate of Soda).	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, sulfure coated.	D	36-38	---	---	13-16
Urea ammonium phosphate.	D	25-58	28-35	---	---
Urea ammonium nitrate (UAN).	L	28-32	---	---	---
Urea phosphate.	D	17	44	---	---

### CHEMICALS and PESTICIDES for Organic Apple, 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** = Microencapsulated,  
**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
<b>D</b>	<b>I</b>	<b>1672</b>	<b>Able</b>	<b>L</b>	<b>MG</b>	<b>9481</b>	<b>Isomate-C Plus</b>
<b>L</b>	<b>MG</b>	9177	Accel PGR	<b>L</b>	<b>MG</b>	9401	Isomate-C TT
<b>D</b>	<b>I</b>	1355	Agree WG	<b>L</b>	<b>M</b>	9312	Isomate-M 100
<b>L</b>	<b>MG</b>	9095	Alphaspra 200	<b>L</b>	<b>M</b>	9373	Isomate-OBLR Plus
<b>D</b>	<b>MG</b>	9065	Amid-Thin W	<b>D</b>	<b>M</b>	9311	Isomate-P Pheromone
<b>D</b>	<b>MG</b>	9365	Apogee PGR	<b>D</b>	<b>F</b>	<b>7327</b>	<b>Kaligreen (WP)</b>
<b>L</b>	<b>I</b>	2022	Azatrol EC	<b>D</b>	<b>I</b>	<b>1671</b>	<b>Lepinox WDG</b>
<b>D</b>	<b>F</b>	<b>7206</b>	<b>Basic Copper 53</b>	<b>L</b>	<b>F</b>	7145	Lime Sulfur Solution
<b>D</b>	<b>I</b>	1812	Biobit HP	<b>L</b>	<b>MG</b>	9142	Liqui-Stik Concentrate
<b>L</b>	<b>I</b>	1783	BioCover MLT	<b>L</b>	<b>I</b>	<b>1322</b>	<b>M-Pede</b>
<b>D</b>	<b>F</b>	7541	BlightBan A506	<b>L</b>	<b>I</b>	1426	Margosan-O
<b>L</b>	<b>MG</b>	<b>9053</b>	<b>Carbaryl 4L</b>	<b>L</b>	<b>MG</b>	9423	Maxcel
<b>D</b>	<b>M</b>	9214	Checkmate CM	<b>L</b>	<b>H</b>	3072	Matran EC
<b>L</b>	<b>I</b>	1282	Condor	<b>D</b>	<b>F</b>	7531	Microfine Sulfur
<b>D</b>	<b>F</b>	7517	Contans WG	<b>D</b>	<b>F</b>	7403	Microperse Wettable Sulfur
<b>D</b>	<b>I</b>	1477	Crymax	<b>D</b>	<b>F</b>	7629	Micro Sulf Micronized Wettable Sulfur
<b>L</b>	<b>H</b>	4654	Cyclone Concentrate	<b>D</b>	<b>F</b>	7544	MilStop Broad Spectrum Foliar
<b>L</b>	<b>I</b>	1180	CYD-X	<b>D</b>	<b>F</b>	7139	Mycoshield (WP)
<b>L</b>	<b>MG</b>	9081	Cytokin Bioregulator Concentrate	<b>D</b>	<b>F</b>	7283	Mycostop Biofungicide
<b>D</b>	<b>I</b>	<b>1865</b>	<b>Deliver</b>	<b>L</b>	<b>MG</b>	<b>9082</b>	<b>NAA-200</b>
<b>D</b>	<b>I</b>	1023	Dipel 2X (WP)	<b>L</b>	<b>MG</b>	9072	NAA-800
<b>D</b>	<b>I</b>	1516	Dipel DF	<b>D</b>	<b>MG</b>	9179	NAA 2% WP
<b>D</b>	<b>F</b>	7055	Dithane M-22 Special (80WP)	<b>L</b>	<b>H</b>	3073	Nature's Avenger Organic Concentrate
<b>D</b>	<b>I</b>	<b>1900</b>	<b>Entrust</b>	<b>L</b>	<b>I</b>	2116	Neemazad
<b>L</b>	<b>MG</b>	9208	Ethephon 2	<b>L</b>	<b>I</b>	1551	Neemix 4.5
<b>L</b>	<b>MG</b>	9004	Ethrel Plant Regulator (2EC)	<b>L</b>	<b>I</b>	1550	Neeix Botanical Insectice
<b>L</b>	<b>MG</b>	9395	Exilis Plus	<b>D</b>	<b>I</b>	1518	Nexter
<b>L</b>	<b>MG</b>	<b>9404</b>	<b>Fascination Plant Growth Regulator</b>	<b>D</b>	<b>M</b>	9368	NoMate CM Spiral
<b>L</b>	<b>MG</b>	9066	Fruit Fix 200	<b>L</b>	<b>F</b>	7300	Nu-Cop 3L
<b>L</b>	<b>MG</b>	9033	Fruit Fix 800	<b>D</b>	<b>F</b>	7309	Nu-Cop 50DF
<b>L</b>	<b>MG</b>	9067	Fruit Fix Concentrate 800	<b>D</b>	<b>F</b>	7658	Nu-Cop 50WP
<b>D</b>	<b>MG</b>	9071	Fruitone-N	<b>L</b>	<b>I</b>	1547	Nufos 4E
<b>D</b>	<b>M</b>	9181	Fumitoxin Tablets (55%)	<b>L</b>	<b>I</b>	<b>1292</b>	<b>Omni Supreme Spray</b>
<b>L</b>	<b>I</b>	<b>1555</b>	<b>Gamstar LC</b>	<b>L</b>	<b>I</b>	1222	Organic JMS Stylet-Oil
<b>L</b>	<b>M</b>	9266	Garlic Barrier AG	<b>L</b>	<b>MG</b>	<b>9316</b>	<b>Perlan PGR</b>
<b>L</b>	<b>I</b>	1942	GF-120 NF Naturalyte Fruit Fly Bait	<b>L</b>	<b>MG</b>	9050	Promalin PGR
<b>L</b>	<b>MG</b>	9088	GibGro 4LS	<b>L</b>	<b>I</b>	1561	ProNatural All Season Spray Oil
<b>D</b>	<b>MG</b>	9211	GibGro 5% Powder	<b>L</b>	<b>MG</b>	9051	ProVide Plant Growth Regulator
<b>D</b>	<b>I</b>	1161	Gnatrol	<b>L</b>	<b>I</b>	1957	PyGanic EC 1.4 II
<b>L</b>	<b>MD</b>	9399	Gramoxone Max	<b>L</b>	<b>I</b>	1958	PyGanic EC 5.0 II
<b>L</b>	<b>F</b>	<b>7659</b>	<b>HDH Peroxy</b>				

D/L	Class	Code	Product Name	D/L	Class	Code	Product Name
L	MD	9425	Rely Herbicide (aka Ignite 1SC)	L	MG	9398	Stimplex
D	MG	9218	ReTain	D	MR	9086	Strychnine Bait (.5%)
D	F	7604	RootShield Granules	L	I	1454	Superneem 4.5-B
L	MD	9172	Roundup Original	<b>D F</b>	<b>7605</b>	<b>T-22 HC</b>	
L	MD	9281	Roundup Ultra	D	F	7481	T-22 Planter Box Biofungicide
D	MR	9087	Rozol (Pellets)	<b>D I</b>	<b>1131</b>	<b>Vendex 50WP</b>	
L	MG	9006	RyzUp	L	I	1867	Virossoft Bioinsecticide
<b>D F</b>	<b>7484</b>	<b>Serenade Biofungicide (WP)</b>		<b>L H</b>	<b>4004</b>	<b>Weedar 64A</b>	
L	MG	9058	Sevin 4F	L	I	2088	Wisdom Flowable
D	MG	9061	Sevin 80S	<b>D I</b>	<b>1685</b>	<b>XenTari Biological</b>	
L	MG	9062	Sevin XLR Plus	D	I	1377	XenTari WDG
D	F	7263	SoilGard 12G	<b>D F</b>	<b>7561</b>	<b>Yellow Jacket Special Dusting Sulfur</b>	
L	F	7569	Sonata AS	<b>D I</b>	<b>1967</b>	<b>Zeal Miticide</b>	
L	F	7657	Sporan EC	D	MR	9063	Zinc Phosphide Oat Bait

#### Conversion Factors for Liquid and Dry Products

##### Liquid Products

1 Gallon = 4 Quarts

1 Gallon = 3.785 Liters

1 Gallon = 8 Pints

1 Gallon = 128 Ounces

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 Ounce = .0625 Pounds

1 Pound = 453 Grams

1 Kilogram = 1,000 Grams

1 Kilogram = 2.2046 Pounds

## 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 Packinghouse or warehouse consultant
- 10 Product lists of approved organic products (OMRI, WSDA, etc.)
- 11 Other – (Specify: \_\_\_\_\_)
- 12 None – Operator used no **outside** information source

**Section E, item 25. ....**

**Section F, item 1,  
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

**PACKERS**

- 51 Culti-packer
  - (Pulverizer, Crow-foot, Serrated, Ring, Spiral)

**Roller-packer**

- 52 Attachment
- 53 Smooth & Flat

**SPECIALIZED APPLE EQUIPMENT**

- 225 Orchard Sprayer
- 226 Air Blast Sprayer
- 227 Pruning Platform
- 230 Weed Badger
- 231 Wonder Weeder
- 232 Tree Planter
- 233 Spider
- 235 Skid/Skid Plate
- 236 Hauling Gin

**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

**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

**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 Motocycle/atv Sprayer
- 95 Small Self-propelled  
(Spra-coupe, Hi-cycle)
- 96 Small Truck (Skid Mounted)
- 97 Tractor Mounted
- 98 Trailer Mounted

## 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

## 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

## 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 Land Forming Equipment codes  
171 – 183, enter Total Hours Operated  
in column 9.*

## ENUMERATOR NOTE:

*For Hauling Equipment codes above,  
enter Total Hours Operated in  
column 9.*

## 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, 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

### RUN-OFF CODES

- |   |
|---|
| 1 Retained at the end of the block?           |
| 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.                         |

Section G, item 10. ....