Reference for FFA Agronomy and Senior 4-H Crop Judging Contest

When using scantron scorecard. (from FFA website http://www.ndffa.org/wintercde.html)

Plant & Seed Identification

01	Absinth Wormwood*	23	Field Bean ***	45	**Navy Bean	67	Spotted Knapweed
02	Alfalfa	24	Field Bindweed	46	Nightflowering Catchfly	68	Sudangrass
03	Barley - six row	25	Field Pea	47	Oats	69	**Sugarbeet
04	Barley - two row	26	Field Pennycress	48	Pennsylvania Smartweed	70	**Sunflower - Non-oil
05	Barnyardgrass	27	Field Sandbur	49	Perennial Sowthistle	71	**Sunflower - Oil
06	**Black Turtle Bean	28	Flax	50	**Pinto Bean	72	Sweetclover
07	**Buckwheat	29	Flixweed*	51	Prickly Lettuce	73	**Triticale
08	Canada Thistle	30	Foxtail Barley*	52	Prostrate Knotweed*	74	Wheat - Durum
09	**Canola	31	Giant Ragweed	53	Prostrate Pigweed*	75	Wheat - HRSW
10	Common Cocklebur	32	Green Foxtail	54	Purple Loosestrife*	76	Wheatgrass, Crested
11	Common Lambsquarters	33	Gumweed*	55	Quackgrass	77	Wheatgrass Slender
12	Common Mallow	34	Hedge Bindweed	56	Redroot Pigweed	78	Wild Buckwheat
13	Common Milkweed	35	Hoary Cress	57	Reed Canarygrass	79	Wild Mustard
14	Common Ragweed	36	Kentucky Bluegrass	58	Russian Knapweed	80	Wild Oats
15	**Corn	37	Kochia	59	Russian Thistle	81	Wild Proso Millet
16	**Crambe	38	Lanceleaf Sage	60	Russian Wild Rye	82	Wild Rose
17	Curly Dock	39	Leafy Spurge	61	Rye	83	Wild Sunflower
18	*Dalmation Toadflax*	40	**Lentils	62	Safflower	84	Yellow Foxtail
19	*Diffuse Knapweed*	41	Marshelder	63	*Saltcedar*	85	**Yellow Mustard
20	Dodder	42	Millet - Foxtail	64	Smooth Brome	86	*Yellow Starthistle*
21	Eastern Black Nightshade	43	Millet – Proso	65	Sorghum	87	*Yellow Toadflax*
22	Erect Knotweed*	44	Musk Thistle	66	Soybean		

*Plant identification only. **Seed identification only. *(Italicized plants will not be used in event)*

***In Plant Identification black turtle bean, navy bean & pinto bean are "field beans". The term "field beans" is not used in seed ID.

Equipment Machinery ID

01	Air Compressor/Hose	16	Disk--Tandem	31	Hearing protection	46	Row crop cultivator
02	Air Seeder (tool & air cart together)	17	Disk--Chisel	32	Hitch pin	47	Row crop planter (air/gravity
03	Anemometer	18	Fertilizer (dry) density scale	33	Hydraulic cylinder/ Hose	48	Shovel-field
04	Anhydrous tank (w/wo applicator)	19	Field cultivator/chisel plow	34	In-Line Ripper	49	Skid steer
05	Backpack Sprayer	20	Gauge Wheel	35	Irrigation pivot	50	Soil Probe
06	Bale Wagon	21	GPS Receiver	36	Liquid Manure tank/applicator	51	Soil Sample Bag
07	Baler (square or round)	22	Grain bin/leg	37		52	Soil Thermometer
08	Fertilizer broadcast spreader (spinner or air)	23	Grain drill (press)	38	Dry Manure Spreader	53	Sprayer
09	Chemigation Unit for irrigation	24	Grain dryer (not bin)	39	Moldboard plow	54	Sprayer nozzle/nozzle body
10	Combine (displayed w/wo harvesting head)	25	Harvester-forage (w/wo head)	40	PPE (all equipment)	55	Swather
11	Combine--auger platform head w/ reel	26	Harvester-potato	41	Press Wheel	56	Sweep Net
12	Combine--belt pickup head	27	Harvester-sugar beets	42	Pressure Gauge	57	Tensiometer
13	Combine--corn head	28	Hand hoe	43	Pressure Regulator	58	
14	Combine--draper head	29	Hay mower/conditioner	44	PTO Shaft	59	Tractor-wheel
15	Conveyor/elevator/auger	30	Hay Rake	45	Rotary Hoe	60	Tractor-tracked type

Insect Identification

09	Wireworm	20	European Corn Borer Larva	30	Salt Marsh Caterpillar	***Life Cycle***	
10	Alfalfa Weevil	21	Flea Beetle	31	Scale	C	Complete
11	Aphids	22	Grain Weevil	32	Spider Mite	I	Incomplete
12	Armyworm Larva	23	Grasshopper	33	Stinkbug	N	None
13	Bean Leaf Beetle	24	Green Lacewing	34	Tobacco/Tomato Hornworm Larva	***Mouth Parts***	
14	Blister Beetle	25	Honeybee	35	Western Corn Rootworm Beetle	C	Chewing
15	Colorado Potato Beetle	26	Japanese Beetle	36	Western Flower Thrip	CL	Chewing-lapping
16	Corn Earworm Larva	27	Lady Beetle Larva	37	Wheat Stem Sawfly	RS	Rasping-sucking
17	Corn Rootworm Larva	28	Leafhopper	38	White Grub	PS	Piercing-sucking
18	Cricket	29	Lygus	39	Whitefly	SP	Sponging
19	Cutworm Larva					SI	Siphoning

Economic Impact		
N	None or predatory	
F	Fruit/Flower destruction	
V	Vegetative Part destruction	
R	Removal of plant fluids	