

>> NO TALKING DURING THE AGRONOMY CDE

Team/School ID \_\_\_\_\_

>> PARTICIPANTS USE THE SAME SCANTRON SHEET  
FOR THE ENTIRE EVENT

Student Code \_\_\_\_\_

## 2007 IAVAT Agronomy Career Development Event

**Directions to participants.** Each participant should have a clipboard and two pencils. Put the Scantron sheet on the clipboard, fill in the required information (listed below), and cover it with this directions sheet. On the Scantron sheet, avoid stray pencil marks and erase corrections completely.

1. The Team number is your chapter number, just drop the IL.
2. The Code should be
  - a. 1 for the "Sheet"
  - b. 1 for the "Test"
  - c. 1 for the "Team"
  - d. and the Contestant number is the "Student"

**Placings classes in the basement of Turner Hall.** There are 4 placings classes in the Agronomy CDE (any combination of wheat, oats, soybeans, corn, silage, or hay). Use the **Placing Classes area** on the front of the Scantron sheet.

- Class 1 = room W13
- Class 2 = room W13
- Class 3 = room W13
- Class 4 = room W13

**Practicum class in the basement of Turner Hall.** In 2007, there is an insect practicum. Ten specimens will be identified. There will be one question on each specimen regarding its life cycle or potential damage. Use the **Identification area** on the bottom half of the back of the Scantron sheet. Identification answers go in slots 1 to 10. Life cycle/economic impact answers go in slots 26 to 35.

- Class 5 = room M5

**Written test on the first floor of Turner Hall.** A 25-question objective test will be given. Answers go in the **Exam area** on the front of the Scantron sheet.

- Class 6 = room N107

**Identification on the first floor of Turner Hall.** There are 2 identification classes in the Agronomy CDE. There are 25 weed identification questions and 25 crop identification questions. Answers go in the **Identification area** on the top half of the back of the Scantron sheet.

- Class 7 = crop identification part 1, questions 1 to 12, room W109  
crop identification part 2, questions 13 to 25, room W109
- Class 8 = weed identification part 1, questions 26 to 37, room W115  
weed identification part 2, questions 38 to 50, room W121

Use the lists on the back of this directions sheet for marking the weed identification, crop identification, and insect practicum activities. If you have questions, consult your group leader.

**Weed Identification 101 to 166**

Seed, plant, or plant part

- 101 Barnyardgrass  
*Echinochloa crus-galli*
- 102 Bitter nightshade\*  
*Solanum dulcamara*
- 103 Broadleaf plantain\*  
*Plantago major*
- 104 Buckhorn plantain  
*Plantago lanceolata*
- 105 Bull thistle\*  
*Cirsium vulgare*
- 106 Burdock  
*Arctium minus*
- 107 Canada thistle\*  
*Cirsium arvense*
- 108 Carpetweed\*  
*Mollugo verticillata*
- 109 Cheat\*  
*Bromus secalinus*
- 110 Chicory  
*Cichorium intybus*
- 111 Common chickweed\*  
*Stellaria media*
- 112 Common cocklebur  
*Xanthium strumarium*
- 113 Common lambsquarters  
*Chenopodium album*
- 114 Common mallow  
*Malva neglecta*
- 115 Common milkweed  
*Asclepias syriaca*
- 116 Common mullein  
*Verbascum thaspus*
- 117 Common ragweed  
*Ambrosia artemisiifolia*
- 118 Curly dock  
*Rumex crispus*
- 119 Daisy fleabane\*  
*Erigeron strigosus*
- 120 Dandelion  
*Taraxacum officinale*
- 121 Eastern black nightshade\*  
*Solanum ptycanthum*
- 122 Fall panicum  
*Panicum dichotomiflorum*

\*Plant or plant part only.

- 123 Field bindweed  
*Convolvulus arvensis*
- 124 Field pennycress  
*Thlaspi arvense*
- 125 Flower-of-an-hour (Venice mallow)\*  
*Hibiscus trionum*
- 126 Foxtail barley\*  
*Hordeum jubatum*
- 127 Giant foxtail  
*Setaria faberi*
- 128 Giant ragweed  
*Ambrosia trifida*
- 129 Goosegrass\*  
*Eleusine indica*
- 130 Green foxtail  
*Setaria viridis*
- 131 Hedge bindweed\*  
*Calystegia sepium* ssp. *sepium*
- 132 Hemp dogbane\*  
*Apocynum cannabinum*
- 133 Hemp (Marijuana)\*  
*Cannabis sativa*
- 134 Honeyvine milkweed\*  
*Cynanchum laeve*
- 135 Horsenettle\*  
*Solanum carolinense*
- 136 Horseweed (Marestail)  
*Conyza canadensis*
- 137 Ivyleaf morningglory  
*Ipomoea hederacea*
- 138 Jimsonweed  
*Datura stramonium*
- 139 Johnsongrass  
*Sorghum halepense*
- 140 Ladythumb smartweed  
*Polygonum persicaria*
- 141 Large crabgrass  
*Digitaria sanguinalis*
- 142 Musk thistle  
*Carduus nutans*
- 143 Peppergrass  
*Lepidium virginicum*
- 144 Perennial sowthistle\*  
*Sonchus arvensis*

\*Plant or plant part only.

- 145 Pigweeds (Redroot, Smooth)  
*Amaranthus* species
- 146 Prickly lettuce\*  
*Lactuca serriola*
- 147 Prickly sida  
*Sida spinosa*
- 148 Prostrate knotweed\*  
*Polygonum aviculare*
- 149 Purslane  
*Portulaca oleracea*
- 150 Quackgrass  
*Elymus repens*
- 151 Shattercane  
*Sorghum bicolor*
- 152 Shepherd's-purse  
*Capsella bursa-pastoris*
- 153 Stinkgrass\*  
*Eragrostis ciliaris*
- 154 Tall morningglory\*  
*Ipomoea purpurea*
- 155 Velvetleaf  
*Abutilon theophrasti*
- 156 Waterhemp  
*Amaranthus tuberculatus*
- 157 Wild carrot  
*Daucus carota*
- 158 Wild garlic\*  
*Allium vineale*
- 159 Wild mustard  
*Brassica kaber*
- 160 Wild parsnip  
*Pastinaca sativa*
- 161 Wild sunflower  
*Helianthus annuus*
- 162 Woolly cupgrass  
*Eriochloa villosa*
- 163 Yarrow\*  
*Achillea millefolium*
- 164 Yellow foxtail  
*Setaria glauca*
- 165 Yellow nutsedge\*  
*Cyperus esculentus*
- 166 Yellow woodsorrel\*  
*Oxalis stricta*

\*Plant or plant part only.

<b>Crop Identification 201 to 244</b> <i>Seed, plant, or plant part</i>	<b>Insect Identification 301 to 331</b>
201 Alfalfa 202 Alsike clover 203 Barley 204 Birdsfoot trefoil 205 Broccoli 206 Bromegrass 207 Canola 208 Corn 209 Cotton 210 Cucumber 211 Fescue 212 Grain sorghum 213 Kentucky bluegrass 214 Ladino clover 215 Lettuce 216 Lespedeza 217 Lima bean 218 Muskmelon 219 Oats 220 Orchardgrass 221 Pea 222 Peanut 223 Perennial ryegrass 224 Popcorn 225 Potato* 226 Pumpkin 227 Red clover 228 Redtop 229 Rice 230 Rye 231 Safflower 232 Soybean 233 Strawberry* 234 Sudangrass 235 Sugar beet 236 Sunflower 237 Sweet clover 238 Sweet corn 239 Sweet potato* 240 Timothy 241 Tomato 242 Vetch 243 Watermelon 244 Wheat	301 Alfalfa weevil 302 Aphid 303 Armyworm larva 304 Assassin bug 305 Bean leaf beetle 306 Blister beetle 307 Chinch bug 308 Corn earworm larva 309 Corn rootworm larva 310 Cricket 311 Cutworm larva 312 European corn borer larva 313 Flea beetle 314 Grain weevil 315 Grasshopper 316 Green lacewing 317 Honeybee 318 Japanese beetle 319 Lady beetle larva 320 Leaf skeletonizer 321 Leafhopper 322 Mexican bean beetle 323 Scale 324 Spider mite 325 Spittlebug 326 Spotted cucumber beetle/Southern corn rootworm beetle 327 Stink bug 328 Tobacco/tomato hornworm larva 329 Western corn rootworm beetle 330 White grub 331 Wireworm
*Plant or plant part only.	<b>Life Cycle 401 to 403</b>
	401 Complete metamorphosis 402 Incomplete metamorphosis 403 None/no metamorphosis
	<b>Economic Impact 501 to 504</b>
	501 None or predatory 502 Destruction of fruit/flower 503 Destruction of vegetative parts (roots and leaves) 504 Destruction by removal of plant fluids