

Indiana FFA Organization

State Agricultural Mechanics, Forestry, Floriculture and Nursery/Landscape CDE's

Registration Packet



2004

Date: May 8, 2004

Time: Registration from 8:00-8:45 am

Location: Indiana FFA Leadership Center, Trafalgar

Registration Due: April 28, 2004 (postmarked to State FFA Office)

Entry Fee: Agricultural Mechanics = \$10 per Team
Floriculture = \$20 per Team
Forestry = \$10 per Team
Nursery/Landscape = \$10 per Team
**Late Fee - \$10 per team*

Participants: Maximum of 2 Teams per Chapter, 4 members per Team

Lunch: Lunch tickets will be sold at registration for \$5.00 per person

Send Registration and Entry Fees to: John A. Demerly, Executive Director
Indiana FFA Organization
Room 229, State House
Indianapolis, IN 46204-2798

Agricultural Mechanics, Floriculture, Forestry & Nursery/Landscape CDE's Entry Form

May 8, 2004
Indiana FFA Leadership Center

Chapter Name _____

Entry For _____ Team (Indicate Agricultural Mechanics, Forestry, Floriculture or
Nursery/Landscape)

		<u>Lunch</u>	
Student Name(s) _____	Yes		No
_____	Yes		No
_____	Yes		No
_____	Yes		No
Teacher's Name _____	Yes		No

PLEASE FEEL FREE TO DUPLICATE

THIS FORM MUST BE POSTMARKED BY APRIL 28TH, 2004

Indiana FFA Organization
Room 229, State House
Indianapolis, IN 46204
Fax: (317) 232-9121

Please be sure to bring the student release forms to the event.

Agricultural Mechanics Information

**Event Coordinators: Garry Heshelman &
Ben Helms (812) 384-4550 or bhelms@bsd.k12.in.us**

2004 Theme: *Plant Production Systems*

Event Areas:

1. Individual Problem Solving/Skill Development Activities
2. Written Exam
3. Team Activity

Individual Problem Solving/Skill Development Activities:

*****Note – Detailed descriptions of events will be available by the beginning of April from the event coordinator***

2004 Machine & Equipment Systems Activities

Application and equipment calibration, and nozzle selection, equipment testing and maintenance

2004 Environment & Natural Resource Systems Skills

Pesticide and pesticide container disposal, pesticide handling, drift control, impact on non-target plants, animals, and insects

2004 Industry and Marketing Skill Activity

Mixing, loading, and transport safety, economics, understanding and following label instructions, governmental regulations

2004 Energy Systems Activities

Power requirements, variable rate applications, and electronically controlled equipment, and valves, pumps, and pressure regulators

2004 Structural Systems

Storage, mixing and loading requirements, fire safety, temperature control, ventilation, construction requirements

2004 Team Activity

One of above will be the team activity

Forestry Event Information:

Event Coordinator: Robert Juncker (317)232-9176

Event Areas:

1. General knowledge
2. Tree identification
3. Equipment identification
4. Practicums
5. Team activity

Note: Due to planned forestry activities and time schedule, there will not be an Issue Interview area for this year's event.

Event Area Descriptions:

2004 General Knowledge

This area will include objective-type multiple-choice questions on the basic principles of forestry, and the industry. The individuals will do the test. An excellent resource for this exam is the past National FFA Exams.

2004 Tree Identification

This area will include Indiana specimens from the national FFA forestry list (sample may be leaf, wood, tree, seed)

2004 Equipment Identification (see attached document)

This area will include twenty items from list – actual items or picture of equipment – An excellent source is Forestry Suppliers catalog pictures or see www.forestry-suppliers.com

2004 Practicums

This will include four or more from the following list (selected by event coordinators):

1. Timber Cruising - for board volume, DBH to nearest full inch, merchantable height rounded down to nearest 8' log
2. Timber Stand Improvement (TSI) and/or Thinning 15-30 trees
3. Map Interpretation - 10 problems (legal descriptions must be written and punctuated exactly as noted. Example: N½ of SE ¼, S17, T10N, R3E). No other methods will be given credit
4. Chainsaw Part Identification, Troubleshooting and Safety - Part I, 10 parts ID; Part II, 10 problems, troubles, situations and/or hazards regarding safety (*A listing of possible items for chainsaw parts identification is attached.*)
5. Forest Products Identification – ten samples, rough sawn samples may be used

2004 Team Activity

This will include team members working together cooperatively to perform an activity on tree and land measurement-timber cruising for board volume. Note: Junior teams will not do this activity as a team, but as individuals.

Materials to Bring:

- Tree and log scale stick (Doyle Scale, 16' logs)
- Diameter tape (optional)
- Clinometer or altimeter (optional)
- Clipboard, (free of notes)
- Calculator
- 2 Pencils
- 100' tape measure (1 per team)

FFA FORESTRY CDE

Sample Team Activity Planning Sheet

Student Numbers: _____

Activity Plan: _____

Member Responsibilities:

Member #1: _____

Member #2: _____

Member #3: _____

Member #4: _____

Please turn in this form in at the beginning of this task to the activity coordinator.

FFA FORESTRY CDE

POSSIBLE ITEMS FOR CHAINSAW PARTS IDENTIFICATION

adjusting pin

air filter

breaker points or ignition points

carburetor

carburetor diaphragm

chain tension adjusting screw

choke button

choke rod

choke

clutch and sprocket bearing

clutch assembly

clutch drum and sprocket

coil and armature

condenser

connecting rod

crankshaft

cylinder head

cylinder head gasket

depth gauge

flywheel key

flywheel

fuel line

high-low speed adjustment screws

inlet needle valve

inner plate

left hand cutter

muffler gasket

needle bearing

oil adjusting screw

oil pump

oil filter

oil filler cap and gasket

on-off switch or start/stop switch

outer plate

piston

piston pin, connecting rod pin, or wrist pin

piston ring

rewind spring

right hand cutter

spark plug

spark plug terminal

sprocket

starter pulley

throttle shaft

Floriculture CDE Information

Event Coordinator: Lisa Chaudion (317-232-9178)

Event Areas:

- General knowledge
- Identification
- Problem solving
- Practicums
- Team activity

Materials to Bring:

- One pair of florist shears
- One propagation knife
- Side-cutters for cutting wire
- Clipboard
- Pencil
- One page Resume

Event Area Descriptions:

2004 Identification

Identification of 40 specimens

2004 General Knowledge Test

50 multiple Choice Questions

2004 Problem Solving/Decision Making

This will include 20 problems

2004 Practicums

- 1) Floral Arrangements, type not announced prior (note that silk flowers may be used)
- 2) One of the following:
 - Job Interview, bring resume to contest. Job applications will be completed in event. Job description will be posted and available at 8:30 a.m. on contest day
 - Selling over the telephone
 - Face-to-face selling
- 3) Two out of the following:
 - Asexual propagation of plants
 - Handling a customer complaint
 - Identifying and controlling plant disorders
 - Make and package a corsage
 - Media selling
 - Potting plant culture

2004 Team Activity

Team members will work together to perform a task normally performed in some phase of the floral industry.

Nursery/Landscape CDE Information

Event coordinator: Brian Buchanan (317)878-4178

Event Areas:

- General knowledge
- Identification of Plants, Pests, Disorders, Equipment and Supplies
- Landscape Drawing
- Verbal customer assistance
- Nursery production practices
- Assessment and Solution
- Team Activity

Materials Needed:

- One triangular architectural scale capable of measuring accurately to 1/8"
- Battery-powered electronic calculator (printing calculators not allowed)
- Clipboard
- Two pencils
- Ball point pen
- Straightedge
- Circle Template

Event Area Descriptions:

2004 General Knowledge Exam

Fifty objective multiple-choice questions will be prepared on topics reflecting subject areas in the objectives. This phase will evaluate the participant's knowledge and understanding of basic horticultural principles in producing, marketing, using, and maintaining landscape plants and turf. Participants are allowed 50 minutes to complete this phase. Each answer has a value of three points.

Identification of plants, pests, disorders, equipment and supplies

This area will include identification of 50 specimens. Multiple choice will be provided. Live samples and pictures will be used.

2004 Landscape Drawing

This practicum is designed to evaluate participant knowledge of and ability in applying the tools of landscape design through preparation of a plan drawing. Written information about a property will be given, including such details as lot dimensions and orientation; house size and setbacks; size and location of paving, decking, and fencing; and the location, size, and type of plant materials to be included. This will be translated into a scale drawing on 8.5 x 11-inch grid paper provided. An objective score sheet specific to the assignment will be used by a judge to evaluate that all components are included with appropriate size, location, symbol, and label, for a possible 50 points total. Allowed drawing aids are a straightedge, ruler or scale, and circle template.

2004 Verbal Customer Assistance

This interpersonal relations practicum is designed to evaluate participant knowledge of and ability in

- 1) verbal communication
- 2) sales and customer assistance skills
- 3) preparation of business documents
- 4) plant materials, plant culture and problems, and garden center supplies and equipment.

The participant will assume the role of an employee in a retail garden center. An official will assume the role of a customer requesting assistance. The presentation method will be one or a combination of the following:

In-Store Sale - Serve a request for assistance with the purchase and use of materials for a particular task. Each participant will be furnished a display of representative garden supplies and equipment. Possible merchandise combinations include nursery plants, grass seed, fertilizer, lime, mulch, garden tools, and pest control chemicals.

Participants will be allowed one minute to become familiar with the merchandise display before the customer arrives.

2004 Nursery Production Practices (*one of the following will be selected*)

Propagating Nursery Stock –

Each participant will be furnished a stock plant, rooting flat and media, rooting powder, a hand pruner, and a label and marking pen. (Personal knives or pruners are allowed, if desired.) Participants are to prepare the designated softwood or hardwood cuttings and place them in the media with a single label. Seven minutes will be allowed for making and sticking 20 cuttings. An official will observe and score each participant during this practicum.

Potting Nursery Stock –

Each participant will be furnished a supply of plants, nursery containers or pots of appropriate size, and media. Hand pruners, a label, and a marking pen will also be provided. (Personal pruners are allowed, if desired.) The participants will pot the plants, one per container, using standard nursery practices. Plant division or grading of liners may be involved. One finished container will be labeled. Seven minutes will be allowed for potting up to 5 containers. An official will observe and score each participant during this practicum.

2004 Assessment and Solution (*one of the following will be selected*)

1. Measuring nursery stock,
2. Pruning nursery stock,
3. Equipment maintenance
4. Problem solving

2004 Team Activity

The team will work together to accomplish a team assignment, normally performed in the nursery/landscape industry.

INDIANA FFA CAREER DEVELOPMENT EVENT
PARENT CONSENT, MEDICAL RELEASE AND
AGREEMENT TO ACCEPT FINANCIAL RESPONSIBILITY FORM

I grant permission for my son/daughter _____ (print name) to participate in the activity listed above. In doing so, I will release the school corporation, school personnel, Indiana FFA Association, host facility and staff, state FFA staff and contest officials of all responsibility in the event of an injury or accident. It is agreed that the student will conduct himself/herself in a manner representative of the school, State of Indiana, community and State FFA Association.

The undersigned, being parent or guardian of the above-named student and having legal custody and who resides with me/us, do give consent to any x-ray examination, anesthetic, medical or surgical diagnosis or treatment and hospital care, to be rendered to the minor under the general or special supervision and on the advice of any physician or surgeon licensed to practice in the United States of America and to consent to any x-ray examination, anesthetic, dental or surgical diagnosis or treatment and hospital care, to be rendered to the minor by any dentist licensed to practice in the United State of America.

I/We further agree that I/we will assume all expenses involved in such medical/dental procedures and will not hold the Indiana FFA Association or its representatives, the local FFA Chapter, or its representatives, liable for said expenses.

Date _____ Student Signature _____

Parent/Guardian _____

Parent/Guardian _____

Address _____

Phone () _____

Please list any medical/dental conditions of which a medical doctor/dentist should be made aware _____

Please list any allergies of which a medical doctor/dentist should be aware _____

Family Physician: Name _____

Address _____

Phone () _____

PLEASE FEEL FREE TO DUPLICATE.
BRING COMPLETED FORM TO CONTEST FOR EACH CONTESTANT.
DO NOT MAIL!!!!