

Ornamental Horticulture Specialist Career Program Area Floriculture

Registration

Individual and Team Pre-registrations are due to the National PAS Executive Director on or before February 11th. Any changes to team members or individuals must be brought to the Floriculture Specialist orientation session prior to the start of the competition. The specific time for the orientation session will be set in the conference program.

Goals

The purpose of The Ornamental Horticulture Specialist Program area - Floriculture is to give the participant an overall view of the needed knowledge and problem solving skills necessary to work in a greenhouse operation or floral design business:

- The career program area will cover skills, tasks, knowledge and leadership abilities that would be beneficial in a student's education or employment.
- The career program area will pertain to all regions of the country without being partial to any region.

The Ornamental Horticulture Specialist Career Program Area – Floriculture is designed to:

- Encourage the development of specialist opportunities in floriculture and greenhouse industries.
- Provide incentives to develop and improve curricular and instructional techniques.
- Evaluate participant and program efficiency.
- Recognize individual accomplishments and educational curriculum in the ornamental horticulture industry.
- Encourage cooperation between education and industry.
- Strengthen the PAS organization by encouraging active participation.

General Rules

Participants will only be eligible to compete in one Specialist Area at the national level only per year. No participant shall be allowed to compete in more than one specialist area.

Any participant who achieves 1st Place as an individual in The Floriculture Specialist program area at Nationals will not be eligible to participate in this program area in the coming years. If the 1st place individual is also a member of any team (no matter what their final official team position is - i.e. 1st, 2nd, 3rd, 4th, etc) the 1st place individual will become ineligible and the other team member may return with a different team member if they so choose.

All career program areas requiring tests will be written by a non-affiliated representative or the test will be administered by certification representatives (if available.) Power to select representatives will be under the direction of the National PAS executive director.

Five points will be added to each individual's score (potentially 10 pts. for each team) for attendance at one of the Career Program area workshops or seminars in the afternoon of the same day! IT WILL BE THE RESPONSIBILITY OF THE PARTICIPANT TO CLEARLY AND LEGIBLY WRITE THEIR NAME AND IDENTIFY WHICH CAREER PROGRAM AREA THEY ARE IN.

Participants need to provide a NON-programmable calculator, (2)No. 2 pencils and erasers. Please read specific rules for additional materials needed. Calculators will not be provided; it will be the responsibility of participant to be prepared at the event. Cellular phones, Palm Pilots or any other type of programmable device will not be allowed during the Floriculture Specialist event.

Though not required, each team is highly encouraged to write a general un-sealed thank you letter to the career program area sponsor of the Horticulture Specialist event area. Thank you letters should be submitted to the Horticulture Specialist coordinators at the beginning of the competition. If possible, write thank you letters on local or state PAS stationary. Participants will be responsible for their own thank you stationery and their own writing utensils.

Procedures

The objective is to evaluate the proficiency level of Ornamental Horticulture Specialists in the areas of Floriculture in the following ways:

1. General Knowledge Examination – 100 points
This 50 question multiple-choice exam will test the participants' knowledge and understanding of basic horticultural principles in producing, marketing, using and maintaining floriculture crops. Each question has a value of two points. Participants will be allowed 55 minutes to complete the exam.
2. Identification of Plant Materials – 100 points
Fifty specimens from the floriculture list will be displayed for participants to identify by scientific name. Participants will be given a multiple choice answer sheet containing six possible scientific names for each specimen. Each specimen will be worth 2 points. Specimens will be in the form of slides or photographs.
3. Identification and Correction of Pests and Plant Problems – 100 points
Pest and plant problem items may be presented as intact specimens, photos, preserved specimens or in slide form. There will be a series of multiple-choice questions to answer at each station. A total of 10 questions each worth 10 points will be given. Pests and plant problems can include, but are not limited to insects, fungi, bacteria, virus, weeds, nutrient deficiencies or toxicities, pesticide damage and faulty growing procedures. Participants will be allowed 25 minutes to complete this phase.
4. Greenhouse Growing Problem – 150 points
This practicum is designed to evaluate knowledge of and ability in 1) calculate the cost of materials and supplies needed to produce a greenhouse crop and, 2) evaluate factors that affect the profitability of a greenhouse business. A one-year crop schedule, including at least five crops; a current greenhouse supply catalog; and a plant price list will be included. Participants will need to bring their own calculator and pencils. There will be 15 objective questions

about the plan. Participants will be given 40 minutes to complete this phase.
Team Problem Solving and Presentation – 150 points

5. Team Case Study and Presentation – 150 points
Each team will be given the same case study. The problem will be of current interest in the floriculture industry. The team members will have 30 minutes to develop a written solution and present it to a judge. The presentation is not to exceed five minutes. The judge will have an additional five minutes to ask the team questions. Participants need to come prepared with visual aid materials such as poster boards and markers. These materials will not be provided. If the team wishes to use a laptop computer, it may do so. Again the team will need to provide their own computer.
6. All team members must attend a pre-competition orientation meeting. Other information will be distributed at the orientation meeting. Failure to attend the meeting may result in the contestant being disqualified from the competition.

Floriculture Specific Rules

1. Each state may enter the following numbers of teams (based on their membership as of December's early registration numbers).

1- 50 members 3 teams
51-100 members 4 teams
101-150 members 5 teams
151+ members 6 teams
2. Each team consists of two members. The participants will compete both individually and as a team.
3. **In the event of a tie** for individuals we will use three (3) preselected questions from the written exam and continue in the same sequence until a winner emerges. **For teams**; the **1st criteria** will be the highest team score will win and if still tied; **2nd criteria** we will go to the same three preselected questions used to break individual ties as above.
4. **Participants need to provide their own calculator, (2) No. 2 pencils and erasers.** Check the specific activities for other equipment and supplies that will be allowed but are not required.

Performance Evaluation

Individual Scoring

Written General Knowledge Exam	100 points
Identification of Plant Material	100 points
Identification and Correction of Pest and Disease	100 points
Greenhouse Growing Problem	150 points
Total	450 points

Team Scoring

Team case study presentation	150 points
Average of individual scores	450 points
Total	600 points

*Team score will be determined by an average of each of the two members' scores, plus the team case study score.

National Awards & Recognition

- First Place Team: • 1 team plaque, \$200 for team, individual plaque for each member
- Second Place Team: • 1 team plaque, \$100 for team, individual plaque for each member
- Third Place Team: • 1 team plaque, \$50 for team, individual plaque for each member
- First Place Individual: • individual plaque, \$100
- Second Place Individual: • individual plaque
- Third Place Medallion: • individual plaque

*Cash prizes may not be awarded for unfunded career program area events.

Coordinator

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Sponsor

Currently there is not a sponsor for whom to write a thank you.



[Floriculture Plant List](#)