

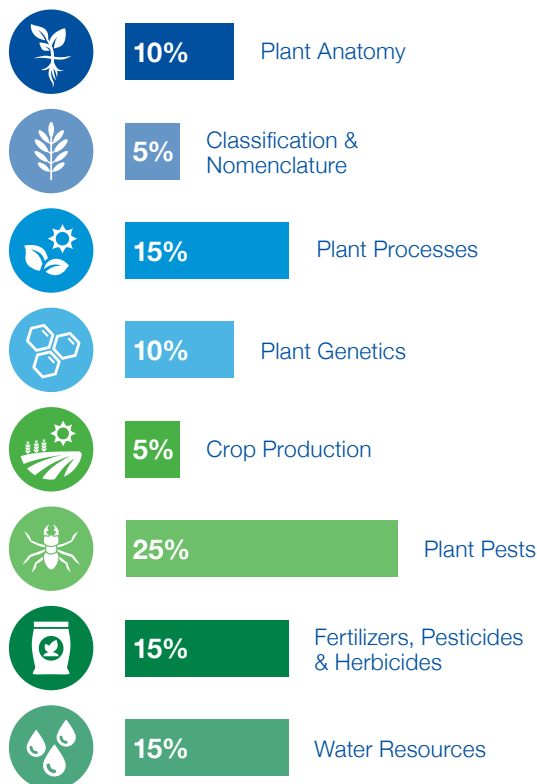
Plant Science Certification



The BASF Plant Science Certification verifies individuals have acquired the knowledge and skills necessary to excel in a variety of plant, natural and environmental science related fields.

Certification Exam

The certification exam, tested for on the iCEV platform, consists of 100 questions and assesses knowledge and skills from the following weighted industry standards:



Meeting the Industry Need

- + Assesses Competencies Based on Weighted Industry-Valued & Industry-Accepted Standards
- + Validates Knowledge & Skills
- + Allows Employers to Identify & Connect with Skilled Candidates
- + Jump-Starts Individuals' Careers

Industry Standards Breakdown

Plant Anatomy

Plant Cell Biology
Plant Structures

Classification & Nomenclature

Plant Types
Plant Classification
Taxonomic Hierarchy
Cells, Tissues, Organs & Organ Systems

Plant Processes

Cell Cycle
Plant Life Cycle
Plant Growth
Plant Hormones & Growth Regulations
Photosynthesis Respiration & Transpiration
Plant Nutrition

Plant Genetics

Plant Reproduction
Plant Biology
Plant Breeding
Biotechnology

Crop Production

Midwest Region
Northeast Region
Southern Region
Western Region

Plant Pests

Bacterial Diseases
Fungal Diseases
Viruses
Chewing Insects
Sucking Insects
Vertebrates
Weeds

Fertilizers, Pesticides & Herbicides

Application Methods
Equipment
Records & Schedules
Proper Handling & Storage
Effects on the Environment
Environmental Regulations

Water Resources

Properties of Water
Sources of Water
Hydrologic Cycle
Freshwater Storage
Water Quality & Pollution
Wastewater
Water Rights
Water & Watershed Conservation

Example Assessment Questions

1. Which of the following is the cause of widespread phosphorus deficiency problems?
 - A Warm weather
 - B Cold weather
 - C High winds
 - D Too little rain
2. In a 100-pound bag of 8-0-28, how many pounds of phosphate are present?
 - A 8
 - B 4
 - C 0
 - D 28
3. Which of the following are required in relatively large proportion for the growth and development of plants?
 - A Fertilizers
 - B Water
 - C Macronutrients
 - D Micronutrients



Testing Platform

BASF Science utilizes iCEV, a division of CEV Multimedia, as the testing platform for this certification.

iCEV fulfills the following responsibilities:

1. Provides secure testing technology for certification exams
2. Regulates testing environments
3. Works with secondary and post-secondary academic institutions, workforce development associations and the public at large to offer certification options for career advancement
4. Provides certification verification to employers for potential job applicants

How to Get Started

See it in Action: Schedule a quick, one-on-one online demonstration at your convenience.



www.icevonline.com/live

Try it Out: Sign up instantly for a free 30-day review.



www.icevonline.com/trial

Order Now: Contact CEV's dedicated support team by phone, email or fax.



800.922.9965



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800.243.6398

About BASF

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. More than 117,000 employees in the BASF Group work on contributing to the success of our customers in nearly all sectors and almost every country in the world. Our portfolio is organized into six segments: Chemicals, Materials, Industrial Solutions, Surface Technologies, Nutrition & Care and Agricultural Solutions. BASF generated sales of €59 billion in 2019. BASF shares are traded on the stock exchange in Frankfurt (BAS) and as American Depositary Receipts (BASFY) in the U.S. Further information at www.basf.com.

“At BASF our goal is to build a sustainable future for agriculture through scientific innovation. The plant science certification will provide a foundation to build on for tomorrow’s leaders as they seek to meet societal demands for food and fiber.”

Ginger G. Light, Ph.D.

TD Trait Introgression & Greenhouse Manager
BASF