

Associate Seed Botanist

Knowledge, Skill, Ability, and Personal Characteristic Statements Rating Results

KSAPC #	Knowledge, Skill, Ability, and Personal Characteristic Statement
K01	Knowledge of general and systematic botany, seedling physiology.
K02	Knowledge of Flora of California including the noxious weeds, the relationship of plants and plant pests to agriculture and the environment.
K03	Knowledge of laboratory and curatorial techniques and methods.
K04	Knowledge of various literature sources pertaining to botany in general, and seed botany in particular.
K05	Knowledge of methods, materials, and equipment used in seed botany.
K06	Knowledge of principles and procedures of research planning, design, methodology, and analysis.
K07	Knowledge of methods of preparation of research reports.
K08	Knowledge of statistical methods and procedures.
K09	Knowledge of data processing techniques.
K10	Knowledge of problems involved in bibliographic survey of previous related research.
K11	Knowledge of determination and qualification of variables and mechanization of compilation of analysis of data.
K12	A very high degree of knowledge of the taxonomy, morphology, and germination physiology of seeds of native and exotic cultivated plants and weed pests.
A01	Ability to use plant manuals and keys.

KSAPC #	Knowledge, Skill, Ability, and Personal Characteristic Statement
A02	Ability to use techniques of mounting and preserving plants.
A03	Ability to perform germination tests.
A04	Ability to identify seeds of both crop and weed plants.
A05	Ability to identify plants.
A06	Ability to utilize and effectively apply required knowledge and skills.
A07	Ability to keep accurate records and issue reports and identify seeds of increasing complexity.
A08	Ability to correctly evaluate increasingly complex physiological seed problems.
A09	Ability to make special studies on seed problems, evaluate results, interpret findings and make written or oral reports on findings.
A10	Ability to perform highly complex and specialized analyses of seed taxonomic and seed viability problems.
A11	Ability to conduct training workshops.
A12	Ability to apply and interpret provisions of the California Food and Agricultural Code and applicable rules and regulations.

KSAPC #	Knowledge, Skill, Ability, and Personal Characteristic Statement
A13	Ability to train technicians and other personnel in associated tasks.
PC01	Manual Dexterity