

***Agricultural Biological Tech***  
***Knowledge, Skill, Ability, and Personal Characteristic Statements Rating***  
***Results***

<b>KSAPC #</b>	<b>Knowledge, Skill, Ability, and Personal Characteristic Statement</b>
K01	Knowledge of the principles of plant growth and cultivation
K02	Knowledge of insect biology
K03	Knowledge of laboratory procedures and pest identification methods
K04	Knowledge of pest control methods, pesticide handling, and application.
K05	Knowledge of standard and advanced laboratory instrumentation.
K06	Knowledge of laboratory safety procedures (e.g. universal precautions, Personal Protective Equipment, spill kits, etc.) to maintain a safe working environment.
K07	Knowledge of Safety Data Sheets and/or pesticide labels.
K08	Knowledge of chemicals and procedures used in diagnostic sample analyses.
K09	Knowledge of plant propagation and plant production.
K10	Knowledge of principles of greenhouse operation and general maintenance.

<b>KSAPC #</b>	<b>Knowledge, Skill, Ability, and Personal Characteristic Statement</b>
K11	Knowledge of greenhouse facilities management (e.g., lighting, irrigation, cooling and heating systems, etc.).
K12	Knowledge of rearing of plant pests and bio-control agents under controlled conditions.
K13	Knowledge of operation and care of sensitive or complex laboratory and/or greenhouse equipment
K14	Knowledge of field plot management
K15	Knowledge of materials and procedures for field test plot work involving plant pests.
K16	Knowledge of computer software programs (e.g., Word, Excel, PowerPoint, Outlook, etc.) for data entry, compiling data, writing reports, and general correspondence.
S1	Skill to establish and maintain cooperative working relationships with those contacted during the course of work.
S2	Skill to operate a personal computer and software (e.g., Word, Excel, PowerPoint, and Outlook) and/or other computerized equipment in order to perform daily duties.
S3	Skill to effectively process, dissect, etc. small to minute plant pests using fine motor skills.
A01	Ability to communicate effectively orally and in writing information in a clear, courteous, professional manner using appropriate tone, vocabulary, and grammar with departmental staff, the public, and other agencies.
A02	Ability to follow and give directions orally and in writing to accomplish day to day activities and ensure a safe and secure working environment.

<b>KSAPC #</b>	<b>Knowledge, Skill, Ability, and Personal Characteristic Statement</b>
A03	Ability to perform repetitive routine and sensitive work with accuracy and precision.
A04	Ability to keep accurate and legible records per Standard Operating Procedures.
A05	Ability to learn complex and varied technical procedures for handling plant pests.
A06	Ability to learn and apply technical work procedures
A07	Ability to analyze situations and take or recommend appropriate action
A08	Ability to act as a working group leader providing instructions and training in a professional and effective manner to share information.
A09	Ability to conduct preliminary examinations leading to plant pest diagnostics.
A10	Ability to use, handle, and care for instrumentation, equipment, supplies, and chemicals including complex sensitive laboratory and/or greenhouse equipment, and safety data sheets.
A11	Ability to construct and use rearing cages or containers and organism collection devices.
A12	Ability to work productively as a member of a team to achieve work goals, and ensure a safe and secure work environment.
A13	Ability to train employees and others in technical tasks necessary for diagnostics, laboratory and workplace safety, pesticide application, screening and identification methods, IIPP, emergency procedures, etc.
A14	Ability to work efficiently to complete assigned tasks within reasonable or specified time periods.

<b>KSAPC #</b>	<b>Knowledge, Skill, Ability, and Personal Characteristic Statement</b>
A15	Ability to use a personal computer to input data, access information, and/or create materials and documents using a variety of software applications.
A16	Ability to be flexible in adapting to changes in priorities, work demands, and other interruptions, which may impact pre-established timelines and courses of action for completing projects and/or assignments.
SPC1	Accuracy, keenness of observation, attention to detail, and perceptiveness.
SPC2	Willing to work in a laboratory and/or greenhouse.
SPC3	Willing to adhere to safety policies and provisions such as wearing protective clothing or gear, protective eye wear, gloves etc.
SPC4	Willing to work in extreme temperature and humidity when working in the greenhouse or in the field.
SPC5	Willing to work with pesticide treated plant material.
SPC6	Willing to work with dusty, moldy, and/or soil covered specimens.
SPC7	Willing to work with genetically modified crop (GMO) materials.