

CLASSIFICATION SPECIFICATION

FLSA:	NEXP	Job Code:	ACV37021
Job Class Code:	030	Salary Schedule:	ASRRAGRIC
EEO Category:	02	Grade:	16
Workers Comp Code:	9410		

Job Code Established:	12/26/84	Effective Date:	
Job Code Revised:	07/01/89	Effective Date:	

JOB CODE SERIES: Agricultural Chemistry Analyst Series

JOB CODE TITLE: AGRICULTURAL CHEMISTRY ANALYST I

HRIS TITLE: AGRIC CHEMISTRY ANALYST I

CHARACTERISTICS OF THE CLASS: Reports to a laboratory services supervisor. Authority to determine appropriate test procedures. Works with toxic and hazardous materials. Performs routine chemical analyses of agricultural chemicals and feed materials which include micro nutrients, adulterants, or hazardous chemicals in agricultural products or chemicals.

EXAMPLES OF DUTIES: Weigh feed, fertilizers, pesticides, herbicides and related samples on varied analytical balances. Prepares reagents for water analyses by weighing chemical substances to a designated volume, or by diluting acids, alkaline or other substances and bring to volume. Performs chemical tests in the state agricultural laboratory to determine presence of various toxic chemical substances (lead, arsenic, cyanides, fluorides, et al). prepares samples by chopping and grinding, filtrating, titrating, digesting, distilling, and neutralizing. Makes quality control tests to assure that all ingredients are present in appropriate quantities. Tests water for hardness, by titration method. Performs routine preventative maintenance of instruments. Record incoming test samples and outgoing interpretation of results. Instructs and guides laboratory technicians in carrying out a variety of tasks, as required. Attends work unit staff meetings; gives and receives information; participates in problem solving and decision making. Washes and sterilizes glassware and other laboratory equipment in sinks or automatic dishwasher and autoclave. Performs related work as required.

WORK RESULTS/PRODUCTS: Laboratory tests completed and results reported; reagents standardized for specific tests.

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of: laboratory procedures for agricultural chemical analysis. Knowledge of analytical and selective test sampling methods. Knowledge of quality control procedures and technical application. Knowledge of the use of standard laboratory equipment. Knowledge of preparation and standardization of reagents and solutions.

Skill/Ability to: determining proper analytical laboratory procedures. Skill in the use of instruments for tests and interpreting the results. Skill in maintenance of laboratory instruments. Skill in safe handling and use of chemicals. Skill in report writing.

Responsibility: for accurate analyses of chemical properties in agricultural products; to report test results.

Prefer: Any combination of training and experience that meet the knowledge, skills, and abilities (KSAs) may be substituted. Typical ways to obtain the KSAs would be: A Bachelor's degree from an accredited college or university with a major or minor in chemistry or related field.