IDAPA 02
TITLE 06
CHAPTER 21

02.06.21 - RULES FOR VOLUNTARY ~~PUBLIC~~ SERVICES OF THE ~~IDAHO DEPARTMENT OF AGRICULTURE~~ FEED AND FERTILIZER LABORATORY

000. LEGAL AUTHORITY.
This chapter is adopted under the legal authority of Title 25, Chapter 27, Idaho Code, Sections 25-2710 and Title 22, Chapter 6, Idaho Code, Sections 22-604. ( )

001. TITLE AND SCOPE.

01. Title. The title of this chapter is IDAPA 02.06.21. "Rules for Voluntary Services of the Feed and Fertilizer Laboratory." ( )

02. Scope. These rules shall govern procedures for sample submission, sample processing and pricing of materials sent to the Idaho Department of Agriculture Feed and Fertilizer Lab for analysis. ( )

002. WRITTEN INTERPRETATIONS.
There are no written interpretations of these rules. ( )

003. ADMINISTRATIVE APPEAL.
There are no provisions for an administrative appeal before the Department of Agriculture under this chapter. Hearing and appeal rights are pursuant to Title 67, Chapter 52, Idaho Code. ( )

004. INCORPORATION BY REFERENCE.
There are no documents incorporated by reference in this chapter. ( )

005. OFFICE -- OFFICE HOURS -- MAILING ADDRESS AND STREET ADDRESS.

01. Office Hours. Office hours are 8 a.m. to 5 p.m. Mountain Time, Monday through Friday, except holidays designated by the state of Idaho. ( )

02. Mailing Address. The mailing address for the central office is Idaho State Department of Agriculture, P. O. Box 790, Boise, Idaho 83701. ( )

03. Street Address. The central office is located at 2270 Old Penitentiary Road, Boise, Idaho 83712. ( )

006. PUBLIC RECORDS ACT COMPLIANCE.
These rules are public records available for inspection and copying at the Department. ( )

000~~7~~. -- 009. (RESERVED)

010. DEFINITIONS
The Department adopts those definitions as set forth in Section 25-2703, Idaho Code, and in addition adopts the following:

01. Crude Ash. The residue containing inorganic mineral elements of a feed sample, determined in a laboratory by burning the sample at a high temperature (removing the organic matter) and weighing the residue (i.e, ash). ( )

02. Crude Fat. An estimate of the total fat content of feeds. ( )

03. Drug. A substance (a) intended for use in the diagnosis, cure, mitigation, treatment or prevention of disease in man or other animals or (b) a substance other than food intended to affect the structure or any function of the body of man or other animals. ( )

04. Electrical Conductivity (EC). A measure of dissolved salts present in the compost using a 1:5 (Compost:water) weight ratio. Since dissolved salts conduct electricity they are expressed in terms of the electrical conductivity of the supernate. Compost soluble salt levels typically range between 1 and 10 MMHOS/CM. However, acceptable levels are determined on the basis of the intended use of the compost. ( )

05. Feed(s). Edible material(s) which are consumed by animals and contribute energy and/or nutrients to the animal's diet. (Usually refers to animals rather than man.) ( )

06. Fiber. (Nutrient) Any of a large class of plant carbohydrates that resist digestion hydrolysis. ( )

07. Heavy Metals. Potentially hazardous substances when found at certain levels in feed, such as arsenic, admium, nickel, copper, lead, chromium, cobalt, and selenium. ( )

08. Maturity, Solvita Test. Degree or level of completeness of composting. ( )

09. Minerals. In feed analysis, refers to inorganic feed elements essential for life. ( )

10. Mycotoxins. Substances, that are toxic to animals, produced on plants by fungi, particularly during weather stress during the growing or harvest seasons or during feed storage. ( )

11. Particle Size. Refers to the diameter of granular feed materials (e.g. grains, pellets, mineral particles) and/or the length and sometimes width of roughage or forage fragments. Particle size can affect mixing of feed ingredients and digestion rate. ( )

12. pH. A measure of acidity or alkalinity of a solution. ( )

13. Phosphate. The amount of pentavalent phosphorus {P(V)} present in the material calculated as phosphorus pentoxide (P_2O_5). ( )

14. Potash. The term designating potassium oxide (K_2O). ( )

15. Protein. An essential nutrient composed of long chains of various kinds of amino acids. Animals meet their protein needs by breaking down plant and microbial protein (formed in the rumen) and reassembling them as animal proteins. ( )

16. Vitamins. Organic compounds that function as parts of enzyme systems essential for the transmission of energy and the regulation of metabolisms of the body. ( )

011. ABREVIATIONS

01. ICP-OES: Inductively Coupled Plasma Optical Emission Spectrometry

02. PDA. Photodiode Array Detector.

03. UPLC. Ultra High Performance Liquid Chromatography ( )

012. METHODS OF SAMPLESING, ~~INVOICES, AND ACCOUNTS.~~

Samples should be submitted with a sample submission form found on the ISDA website. Desired testing services should be specified on the ISDA submission form. ~~Invoices for services performed will be sent monthly; accounts more than thirty (30) days past due will be subject to an interest rate of twelve percent (12%) per annum on the account balance for each month the account is delinquent. Accounts with a history of delinquency shall be required to submit payment in advance. Checks should be made payable to Idaho Department of Agriculture.~~ ~~(7-14-92)~~( )

013. -- 049. (RESERVED)

050. SAMPLE AMOUNTS AND PACKAGING.
If available, a label or other information as to the nature of the sample, should be enclosed.-The following amounts and packaging are acceptable: (7-14-92)( )

01. Dry Feed, Fertilizer, and Compost. One (1) to five (5) pounds in a sturdy bag or carton. If available, a label or other information as to the nature of the sample should be enclosed. (7-14-92) ( )

02. Liquid Feeds and Fertilizers. One-half (1/2) pint in a tightly sealed jar or bottle. (7-14-92)

03. Fresh Plant Material. Five (5) to ten (10) pounds in a paper bag or carton with free circulation of air. Do not seal fresh plant material in polyethylene bags as it may "ensile" in transit. (7-14-92)

051. -- 099. (RESERVED)

100. SAMPLE ANALYSIS.

01. Preparation and Results. Samples will usually be prepared for analyses on the first day of the week following the week in which they are received. are processed upon receipt. Results will usually be reported by the end of the week in which analysis is begun, for a turn-around time of not more than two (2) weeks are typically reported within four (4) weeks. (7-14-92)( )

02. Priority. Persons submitting samples are advised that analytical work necessary for support of the Department's regulatory programs will have priority over private samples and this may occasionally cause delays in the analysis of private samples. (7-14-92)

03. Responsibility. The laboratory will accept responsibility only for the work performed on the sample as received. Reports will be prominently labeled "Not An Official Sample." If an official sample is required for legal or other reasons, arrangements must be made to have a sample taken by a State Inspector., subject to the charges as outlined in Subsection 150.02k. (7-14-92)( )

04. Sample Retention. Portions of all samples will be held for a period of sixty (60) days in case of a referee analysis is required. Samples may be retained for a longer period only when a special request in writing has been received. (7-14-92)

101. -- 149. (RESERVED)

150. FEES.

01. Fee Schedule. The fee schedule shall apply to all re-run requests except when, in the discretion of the laboratory director, there is substantial justification for retesting a sample at no charge. (7-14-93)

02. Schedule of Charges. (7-14-92)

a. Feeds and Feedstuffs.

Moisture	- $5
Crude Protein, Combustion (Dry Feed)	- $1020
Crude Protein, Combustion (Liquid Feed)	$20
Ether Extract (Crude Fat (Auto-	- $1015

mated Ether Extraction)	
Crude ~~Fiber~~ Fat (Acid Hydrolysis)	- $~~15~~30
Crude Fat (Base Hydrolysis)	$30
Crude Fiber	$15
~~Complete Proximate Analysis~~ Acid Detergent Fiber	- $~~40~~15
~~Complete Proximate Analysis~~	~~$40~~
Crude Ash	- $~~5~~10
Percent Moisture	$10
Mineral Scan by ICP-OES	$50
Heavy Metal Scan by ICP-OES	$50
Vitamins by UPLC-PDA	$100
Antibiotic/Drugs: Colormetric or Liquid Chromotagraphy	$100
~~Protein Equivalent from Non-protein Nitrogen (Urea)~~ Mycotoxin Individual	- $50
Mycotoxin Panel	$150

(7-1-93)(_____)

~~b.~~ ~~Drugs in Feeds.~~

~~Sulfamethazine~~	~~- $50~~
~~Sulfathiazole~~	~~- $50~~
~~Amprolium~~	~~- $25~~
~~Zoalene~~	~~- $50~~
~~Carbadox~~	~~- $50~~
~~Pyrantel Tartrate~~	~~- $50~~

~~(7-1-93)~~

~~**c.** Antibiotics in Feeds (at levels of fifty (50) g/ton or higher).~~

~~Chlortetracycline~~	~~-~~	~~$50~~
~~Oxytetracycline~~	~~-~~	~~$50~~
~~Penicillin~~	~~-~~	~~$50~~
~~Tylosin~~	~~-~~	~~$50~~
~~Monensin~~	~~-~~	~~$50~~
~~Lasalocid~~	~~-~~	~~$75~~

~~(7-1-93)~~

~~**d.** Vitamins.~~

~~Vitamin A~~	~~-~~	~~$50~~
~~Vitamin A Liquid Feeds~~	~~-~~	~~$50~~

~~(7-1-93)~~

~~**e.** Aflatoxins.~~

~~Screens~~	~~-~~	~~$10~~

~~(7-1-93)~~

~~**f.**~~ **b. Fertilizers.**

Total Nitrogen, Combustion (Dry Fertilizers)	-	$~~7~~20
Total Nitrogen, Combustion (Liquid Fertilizers)		$20
Direct Available Phosphate ~~Total~~ (Phosphorus, P2O5)	-	$~~6~~30
~~Total & Available P2O5~~ Available Potash (Potassium, K2O)	-	$~~15~~30
~~Potash~~Combined Sulfur, Gravimetric	-	$~~7~~40
~~Total NPK (Add $9.00 for available P2O5)~~ Elemental Sulfur, Gravimetric	-	$~~20~~40
~~Calcium~~Total Sulfur, Elemental & Combined	-	$~~6~~ 80
~~Sulfur (combined)~~Mineral Scan by ICP-OES	-	$~~15~~50
~~Sulfur (free)~~Heavy Metal Scan by ICP-OES	-	$~~15~~50

~~(7-1-93)~~(_____)

~~**g.** Trace Elements (fertilizers).~~**c. Compost**

~~Iron~~Particle Size	-	~~$5~~10
~~Copper~~Maturity, Solvita Test	-	~~$5~~30
~~Manganese~~Percent Moisture	-	~~$5~~20 ~~$10~~
~~Boron~~Total Nitrogen, Combustion	-	~~$5~~20
~~Zinc~~ Direct Available Phosphate (Phosphorus, P2O5)	-	~~$5~~30
~~Magnesium~~ Available Potash (Potassium, K2O)	-	~~$5~~30
~~Cobalt~~pH	-	~~$5~~10
Conductivity		$10
Mineral Scan by ICP-OES		$50
Heavy Metal Scan by ICP-OES		$50

~~(7-1-93)~~( )

~~h~~d. Samples requiring additional sample preparation time, ~~such as whole cottonseed, silage or hay,~~ are subject to an additional maximum fifteen dollars ($15) preparation fee. ~~(7-1-93)~~( )

~~i~~e. ~~Samples requiring a drug residue analysis are handled on a case-by-case basis.~~ Contact the Lab for current mineral, heavy metal, antibiotics, and vitamin capability list. Please call the Department of Agriculture at (208) 293-9740 ~~334-2986~~ for information. ~~(7-1-93)~~( )

~~j~~f. Serology samples for the determination of plant diseases for non-regulatory purposes are handled on a case-by-case basis with a minimum charge of ~~thirty-two ($32)~~fifty ($50) per sample. ~~(7-1-93)~~( )

k. ~~Official samples for regulatory, legal or other reasons, taken by a state inspector, will be changed at a rate of twenty dollars ($20) per hour, including travel time, with a minimum charge of twenty dollars ($20). Mileage, meals, and lodging shall be charged at established state rates.~~ ~~(7-14-92)~~

200. INVOICES, AND ACCOUNTS.
Invoices for services performed will be sent monthly; accounts more than thirty (30) days past due will be subject to an interest rate of twelve percent (12%) per annum on the account balance for each month the account is delinquent. Accounts with a history of delinquency shall be required to submit payment in advance. Checks should be made payable to Idaho Department of Agriculture. ( )

~~151~~201. -- 999. (RESERVED)