

## MANURE ANALYSIS PACKAGES

With the increasing emphasis on land management, manure testing has become routine for animal production facilities. Accurate nutrient analysis is critical to determine the composition of the manure being used as fertilizer and the appropriate rate at which it should be applied. CVAS maintains current certification by the Minnesota Department of Agriculture (the only accrediting organization in the United States) as an official manure testing facility.

At CVAS we offer two basic manure packages:

**Base Test Package 2** includes Total Nitrogen, Organic Nitrogen, Phosphate ( $P_2O_5$ ) Potash ( $K_2O$ ), Total Phosphorus, Total Potassium, and Total Solids.

**Base Test Package 1** includes the Base test Package 2 and Density.

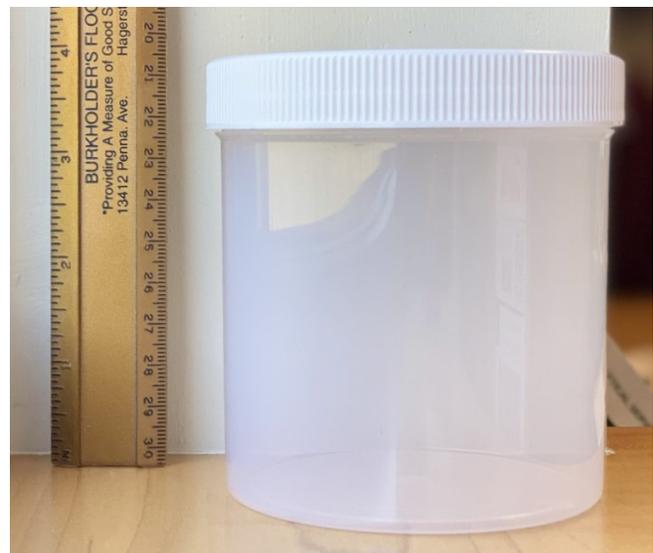
All results are reported on an as received (wet) basis as well as in lbs. per 1000 gallons and lbs. per Ton of manure. See next page for a comprehensive list of pricing and testing options.

### Sampling:

As in all testing, proper sampling is necessary for accurate results. Manure samples should be representative of the entire storage facility. When collecting a manure sample, collect small amounts of manure in a clean bucket from many sites within the storage facility or sample periodically as the facility is being emptied. This composite sample should then be thoroughly mixed and a subsample sent for analysis. When sampling from a liquid storage unit, be sure to agitate prior to sampling. If you are sampling solid manure include both manure and bedding, but avoid large chunks of bedding.

Samples should be sent to CVAS in a 16oz. (500 ml) wide-mouth, leak proof plastic bottle (available at no charge from CVAS on request, pictured right).

Leave a ½ inch (1.3 cm) of air space and ensure that the top is securely placed on the bottle. Place the sealed bottle into a zip-seal plastic bag. It is best to ship manure samples to the lab as quickly as possible and to avoid sending them over the weekend.



# AMOUNTS NEEDED FOR MANURE TESTING

The table below provides the amount of sample needed to complete the manure testing options.

TEST / PACKAGE	DRY MANURE SAMPLE	LIQUID MANURE SAMPLE	PRICE
Base Package 1	250g, full quart bag	500ml or 16 oz. container filled	39.75
Base Package 2	250g full quart bag	500ml or 16 oz. container filled	35.00
Water Soluble Phosphorous*	75g	200ml	12.50
Minerals*	20g	30ml	15.00
Volatile Solids*	No additional sample needed	No additional sample needed	7.75
pH*	25g	50ml	6.75
Total Carbon (Carbon/Nitrogen Ratio)*	50g	100ml	15.00

*\*To run these tests, please include the additional sample volume listed for dry or liquid manure samples.*

## Sampling Supplies:

Sampling and shipping supplies are available at no charge. Please contact our office at 1-800-CVASLAB to request sample bottles, zip-seal bags, submittal forms and shipping labels.

For more information about our manure testing, please go to our website at:

<https://www.foragelab.com/Lab-Services/Manure>