MAGRUDER FERTILIZER CHECK SAMPLE REPORT

Rev. 3/31/11

Magruder Participant Number: **Magruder Sample Number:**

Plant Nutrient		Method Code	X	First Result	Second Result
Nitrogen (N)	Ammoniacal	001. ____			
		001. ____			
	Nitrate	002. ____			
		002. ____			
	H_2O Insoluble	003. ____			
		003. ____			
	Ammon & Nitrate N	009. ____			
		009. ____			
	Total	010. ____			
		010. ____			
		010. ____			
Phosphate (P_2O_5)	Total	020. ____			
		020. ____			
	Insoluble	030. ____			
		030. ____			
	Indirect Available	040. ____			
		040. ____			
	Direct Available	041. ____			
		041. ____			
		041. ____			
	H_2O Soluble	048. ____			
		048. ____			
Soluble Potash (K_2O)		050. ____			
		050. ____			
		050. ____			
Free Water		060. ____			
		060. ____			
Calcium, Acid Soluble (Ca)		101. ____			
		101. ____			
Magnesium (Mg)	Acid Soluble	121. ____			
		121. ____			
	H_2O Soluble	131. ____			
		131. ____			
Sulfur (S)		144. ____			
		144. ____			

Plant Nutrient		Method Code	X	First Result	Second Result
Boron (B)	Acid Soluble	165. ____			
		165. ____			
	H_2O Soluble	171. ____			
		171. ____			
Chlorine, H_2O Soluble (Cl)		190. ____			
Cobalt, Acid Soluble (Co)		202. ____			
Copper, Acid Soluble (Cu)		221. ____			
		221. ____			
Iron, Acid Soluble (Fe)		241. ____			
		241. ____			
Manganese (Mn)	Acid Soluble	261. ____			
		261. ____			
	H_2O Soluble	271. ____			
		271. ____			
Sodium (Na)		311. ____			
		311. ____			
Zinc (Zn)	Acid Soluble	321. ____			
		321. ____			
	H_2O Soluble	325. ____			
		325. ____			
The following areas may be used for additional methods. Please specify the nutrient and the method code for each pair of results entered.					
		____. ____			
		____. ____			
		____. ____			
		____. ____			
		____. ____			
		____. ____			
		____. ____			
		____. ____			
		____. ____			
		____. ____			
		____. ____			
		____. ____			

Laboratory Name: _____ **Analyst's Signature:** _____

GENERAL INSTRUCTIONS

This sample is ready for analysis. **Do not regrind it.** Remixing is permissible if done quickly. When you open the container, transfer the sample to a new air-tight bottle to prevent loss or gain of moisture.

In analyzing and reporting this sample,

1. Weigh a separate portion of the sample for each complete analysis for all elements.

2. Make only a single analysis of the sample for each element in a given day. No two weighings or analyses by any procedure are to be made in the same day. Wait several days if possible.

3. Record the analytical results in the spaces provided on the report form.

4. Two and only two analyses may be reported for each method. If a single analyses or more than two analyses are reported, they will **not** be used in the statistical treatment of the data. If something goes wrong during an analysis which cast doubt on the result, discard it before completion. Do not calculate and report averages of multiple analyses.

5. List analyses on lines corresponding to the method used, elements determined or special analyses made.

6. When analyses are made on elements not covered in the table or special analyses are made which are not listed on this form, report the results in the area provided for additional analyses. Identify the element and the method used. This will provide information on which to base expansion of the list of elements, special analyses and method code numbers as required.

7. All pre-printed method codes must be completed with the two digits to the right of the decimal in order to properly indicate the specific method used. Any incomplete method codes will be entered as **"99"** and automatically excluded from the calculation of the accuracy index on the report cards.

8. To specify those analyses which are not to be used in calculating the average accuracy index given in the confidential report on laboratory performance, mark an **"X"** in the space provided to the right of the method code.

9. Samples are numbered by year and month. Results should be mailed or e-mailed to be received no later than the 15th of the following month. Results received later than the 15th will not be included in the statistical report.

10. Mail a copy of this report to: Samples may also be e-mailed to rcoelho@comcast.net
    Robert Coelho
    Magruder Reports
    14004 Greencroft Lane
    Cockeysville, MD 21030-1108

For general information on participation in the Magruder Check Sample program, contact:
Bill Hall Bill.Hall@mosaicco.com www.magrudercheckssample.org

For information on the preparation and distribution of check sample material, contact:
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3/31/11