Cover Crop Analysis Report

Submitted By: **BN88888 AgSource Test Account** 106 North Cecil Street

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5/13/2021 12:00:00AM

Date Sampled:

Date Received:

Submitted For:

AgSource BN_PLANT_COVERCROP **Marketing Example**

Date Reported:



Laboratory Sample #

CB61854

Information Sheet #

05/13/2021 05/17/2021

Sample ID: Test53 Field ID: **TESTFIELD 1 RYE WHOLE** Crop: Growth Stage:

Results of Laboratory Analysis, dry sample			Nutrient Content of Forage, lbs/acre @ 100% Dry Matter			
Nitrogen	N, %	3.13	Nitrogen	N	114.6	
Phosphorus	P, %	0.31	Phosphorus	P2O5	25.8	
Potassium	K, %	2.94	Potassium	K2O	129.2	
Calcium	Ca, %	0.44	Calcium	Са	16.3	
Magnesium	Mg, %	0.20	Magnesium	Mg	7.3	
Sodium	Na, %	0.01	Sodium	Na	0.5	

Release of nitrogen and phosphorus are controlled by the C:N ratio of the plant matter as it decomposes. See comments below.

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Phosphorus	P, %	0.31	Phosphorus	P2O5	25.8
Potassium	K, %	2.94	Potassium	K2O	129.2
Calcium	Ca, %	0.44	Calcium	Ca	16.3
Magnesium	Mg, %	0.20	Magnesium	Mg	7.3
Sodium	Na, %	0.01	Sodium	Na	0.5
Sulfur	S, %	0.22	Sulfur	S	8.0
Zinc	Zn, ppm	34.4	Zinc	Zn	0.13
Manganese	Mn, ppm	30.6	Manganese	Mn	0.11
Copper	Cu, ppm	7.6	Copper	Cu	0.03
Iron	Fe, ppm	359.3	Iron	Fe	1.32
Boron	B, ppm	8.9	Boron	В	0.03
Aluminum	Al, ppm	324.6	Aluminum	Al	1.19
Carbon	C, %	53.13	Carbon	С	1944.5
Dry Matter	DM. %	22.93	C:N Ratio	C:N	17.0
			Total Yield		Tons/acre
Fresh Weight	FW, g	1496.855	Fresh Biomass	As cut	7.99
Area Sampled	Sq. Feet	9	Dry Biomass	100% dry	1.83

Cover crop residue with C:N ratios:

Above 20:1 will immobilize nitrogen Below 20:1 will mineralize (release)

DISCLAIMER: Data and information in this report are intended solely for the individual(s) for whom samples were submitted. Reproduction of this report must be in its entirety. Levels listed are guidelines only. Data was reported based on standard laboratory procedures and deviations.