

Cover Crop Analysis Report



Submitted By: **BN88888**
AgSource Test Account
 106 North Cecil Street
 PO BOX 7
 Bonduel, WI 54107

Submitted For:
AgSource BN_PLANT_COVERCROP
Marketing Example

Laboratory Sample #
CB61854

Date Sampled:
5/13/2021 12:00:00AM

Date Received:
05/13/2021

Date Reported:
05/17/2021

Information Sheet #

Sample ID: **Test53**
 Crop: **RYE WHOLE**

Field ID: **TESTFIELD 1**
 Growth Stage:

Results of Laboratory Analysis, dry sample

Nitrogen	N, %	3.13
Phosphorus	P, %	0.31
Potassium	K, %	2.94
Calcium	Ca, %	0.44
Magnesium	Mg, %	0.20
Sodium	Na, %	0.01
Sulfur	S, %	0.22
Zinc	Zn, ppm	34.4
Manganese	Mn, ppm	30.6
Copper	Cu, ppm	7.6
Iron	Fe, ppm	359.3
Boron	B, ppm	8.9
Aluminum	Al, ppm	324.6
Carbon	C, %	53.13
Dry Matter	DM, %	22.93
Fresh Weight	FW, g	1496.855
Area Sampled	Sq. Feet	9

Nutrient Content of Forage, lbs/acre @ 100% Dry Matter

Nitrogen	N	114.6
Phosphorus	P2O5	25.8
Potassium	K2O	129.2
Calcium	Ca	16.3
Magnesium	Mg	7.3
Sodium	Na	0.5
Sulfur	S	8.0
Zinc	Zn	0.13
Manganese	Mn	0.11
Copper	Cu	0.03
Iron	Fe	1.32
Boron	B	0.03
Aluminum	Al	1.19
Carbon	C	1944.5
C:N Ratio	C:N	17.0
Total Yield		Tons/acre
Fresh Biomass	As cut	7.99
Dry Biomass	100% dry	1.83

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

Cover crop residue with C:N ratios:
 Above 20:1 will immobilize nitrogen
 Below 20:1 will mineralize (release)