



AgSource Laboratories

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GARDEN SOIL ANALYSIS



SUBMITTED BY:	WINNEBAGO COUNTY FARM BUREAU	ACCOUNT #:	916
SUBMITTED FOR:	ANDREA HAZZARD	SAMPLE ID:	FAR WEST BEST
CLIENT NAME:	ANDREA HAZZARD	SAMPLE #:	1
LOCATION ADDRESS:	5111 AHRENS RD PECATONAIL	LAB ID:	7H3106
PHONE/FAX/EMAIL:	7	DATE PROCESSED:	4/29/2011

SUMMARY REPORT OF ANALYTICAL RESULTS

	pH	Phosphorus	Potassium	Organic Matter	Soluble salts	Buffer pH
		ppm	ppm	%	Electrical Conductivity	ppm
RESULTS	6.7	100	429	5.0%	18	0.0

UNITS						
VERY LOW						
LOW						
MEDIUM						
OPTIMAL						
VERY HIGH						

	Calcium	Magnesium	Zinc	Manganese	Boron	Sulfur
	ppm	ppm	ppm	ppm	ppm	ppm
RESULTS						
UNITS	ppm	ppm	ppm	ppm	ppm	ppm
VERY LOW						
LOW						
OPTIMAL						
VERY HIGH						

FERTILIZER RECOMMENDATIONS

Fertilizer recommendations are based on University of Wisconsin Soil Test Recommendations for Field, Vegetable and Fruit Crops and Michigan State University Fertilizer Recommendations, MSUE Extension Bulletin E-550B

LIME	APPLY	0	LBS / 1000 ft ²
NITROGEN	APPLY	120	LBS/ACRE
PHOSPHORUS	APPLY	0	LBS/ACRE
POTASSIUM	APPLY	0	LBS/ACRE
CALCIUM	APPLY	0	LBS/ACRE
MAGNESIUM	APPLY	0	LBS/ACRE
ZINC	APPLY	0	LBS/ACRE
MANGANESE	APPLY	0	LBS/ACRE
SULFUR	APPLY	0	LBS/ACRE
BORON	APPLY	0	LBS/ACRE

A "0" application rate means that no additional lime or fertilizer is necessary at this time based on the soil test results.



1 LB/ACRE = 0.02 LBS/1000FT²
 1 LB/ACRE = 0.002 LBS/100FT²

1 LB OF ACTUAL NITROGEN IS EQUAL TO 2.17 LBS UREA (46-0-0), 5.55 LBS AMMONIUM PHOSPHATE (18-46-0) OR 4.76 LBS AMMONIUM SULFATE (21-0-0-24S)

FERTILIZER LABELS & WHAT THEY MEAN

A fertilizer grade or analysis that appears on the bag is the percentages of nitrogen (N), phosphorus (P2O5) and potassium (K2O) in the material. A 5-10-15 grade fertilizer contains 5 percent N, 10 per-cent P2O5 and 15 percent K2O. A 50-pound bag of 5-10-15 fertilizer contains 2.5 pounds of N (50 x 0.05 = 2.5), 5 pounds of P2O5 (50 x 0.10 = 5), and 7.5 pounds of K2O (50 x 0.15 = 7.5), for a total of 15 pounds of nutrients. The other 35 pounds of material in the bag is filler or carrier.

HOW MUCH PRODUCT TO USE

1. Convert the lbs/acre recommendation to lbs/1000 ft² for smaller areas
2. Multiply the nutrient recommendation times the square footage of your garden, then divide by 1000
3. Take the value you get from #2 and divide by the percent analysis of the nutrient in the fertilizer you plan to use.

Example:	GARDEN AREA =	500 FT ²
	NITROGEN REC =	40 LBS/ACRE
	CONVERT TO LBS/1000 FT ² =	0.8 LBS/1000 FT ²
	AMOUNT OF ACTUAL NEEDED	0.8 x 500 = 400 = 0.4 LBS
	FERTILIZER YOU MIGHT USE =	21-0-0 (AMMONIUM SULFATE) = 21% NITROGEN
	ACTUAL AMOUNT OF 21-0-0 TO USE =	0.4 ÷ 0.21 = 1.9 LBS OF 21-0-0 ON YOUR 500 FT ² GARDEN

5-10-15