

Soils Laboratory
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Sample #: 3330001
Date Sampled:
Date 12/2/2013
Date Mailed: 12/16/2013

Crop, 3 Years Ago: Alfalfa Maintenance
Crop, 2 Years Ago: Alfalfa Maintenance
Crop, Last Year: Alfalfa Maintenance
Plow Depth: Less than 9 inches
Manure: No

Farm Name / Client:
Field / Location: U1
Soil Name:
Acres:
Statement ID:

Component	Mehlich 3, ppm	Mehlich 3, lbs/acre	Soil Test Levels				
			Very Low	Low	Medium	High	Very High
Phosphorus (P)	48.3	96.5	*****				
Potassium (K)	81.5	162.9	*****				
Calcium (Ca)	1,183.0	2,366.0	*****				
Magnesium (Mg)	125.7	251.4	*****				

pH	Buffer pH	Organic Matter, %	CEC meq/100g	Exchg. Acidity meq/100g	Nitrate-N ppm	Total N %	Sol. Salts mmhos/cm	Base Saturation Values, %					
								K	Ca	Mg	Na	H	Total
6.6	6.4	3.8	8.2	1.00				2.5	72.0	12.6	0.7	12.2	87.8

Other Nutrients, ppm									
Na	Al	S	Zn	Mn	Fe	Cu	B	Mo	
12.9	853.3		3.5						

Soil Fertilizer Recommendations				tons / acre	lbs / acre		
Year	Crop	Yield Goal	Lime	N	P ₂ O ₅	K ₂ O	
1	Pumpkins	15.0 Tons / acre	1.00	35.00	135.00	140.00	
2	Small Grain Forage	6.0 Tons / acre	0.00	90.00	10.00	170.00	
3	Alfalfa Seeding	4.0 Tons / acre	0.00	0.00	20.00	210.00	
Comments							

These are general comments. Always consult with your crop adviser for recommendations specific to your farm.
Yr0 N rate does not consider N contribution from manure. See The Penn State Agronomy Guide for Field Crops for guidelines to credit nutrients from manure appropriately.
<http://www.agguide.agronomy.psu.edu/cm/sec2/sec24e3/cfm>
Yr0 Lime rate based on 100% Calcium Carbonate Equivalent (CCE).
Yr3 Banding 100-300 lbs/A of a 10-20-10 or 15-15-15 starter fertilizer may be beneficial. Incorporate the balance of recommended nutrients before seeding. For no till seedings, avoid N in the starter.
Please note: if requested yield goals exceed the stated minimum or maximum, the minimum or maximum value, respectively, will be used to generate recommendations.