

# SOIL TEST REPORT

AGRICULTURAL & ENVIRONMENTAL TESTING LABORATORY  
AND UVM EXTENSION

## UNIVERSITY OF VERMONT

LAB NUMBER: B988888      DATE: received 04/20/98  
complete 04/27/98  
COUNTY: ADDISON  
FIELD NAME: North Corner

14

SAMPLE DESCRIPTION

M. Green  
Trusty Crop Consulting

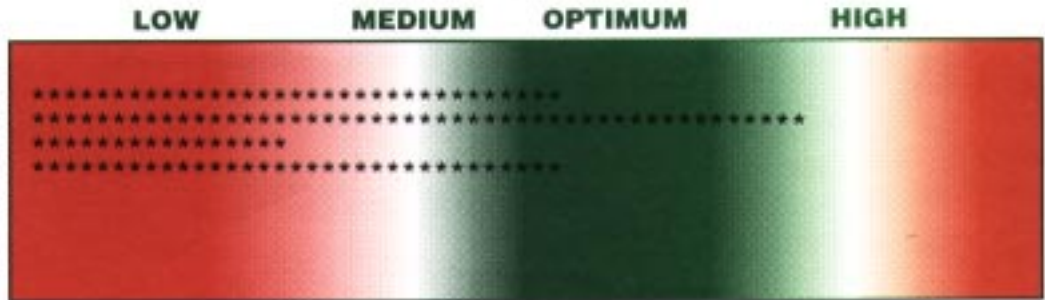
REPORT FOR:

Mountain View Farm  
RD 2  
Hillsville, VT 05001

SAMPLE

SOIL TEST RESULTS

pH 6.4  
Available Phosphorus (ppm P) 5.0  
Reserve Phosphorus (ppm P) 56  
Potassium (ppm K) 48  
Magnesium (ppm Mg) 65  
Aluminum (ppm Al) 74  
Calcium (ppm Ca) 1477  
Effective CEC (meq/100g) 8.0  
Zinc (medium) (ppm Zn) 0.8



LIME AND FERTILIZER RECOMMENDATIONS

(1) Corn, Yield of 20 tons/A (120 bu) expected  
Dairy manure at 6000 gal. per acre

	LIME TONS/ACRE	NITROGEN (N) lbs./ACRE	PHOSPHATE (P <sub>2</sub> O <sub>5</sub> ) lbs./ACRE	POTASH (K <sub>2</sub> O) lbs./ACRE	MAGNESIUM (Mg) lbs./ACRE
LIME & NUTRIENTS NEEDED:	2.0	100	30	160	0
CONTRIBUTION FROM MANURE:		80	50	110	25
BALANCE NEEDED FROM FERTILIZER:	2.0	20	0 **	50	0

If seeding alfalfa within 2 years, apply 2.0 tons per acre for future target pH 6.8.  
Broadcast lime before or during seedbed preparation and harrow in.  
For pH of 6.2, apply 0.0 tons per acre.

N rate given above is an estimate. For a more accurate recommendation, use Presidedress Nitrate soil test when corn is 8-12 inches tall. Contact your Ag. Extension agent for more information. Nitrogen is most effective side or top dressed when crop is 12 to 24 inches tall. To prevent fertilizer burn, limit combined N + K<sub>2</sub>O to 80 lb/A applied using a planter with sideband fertilizer placement (2" x 2"). Limit N + K<sub>2</sub>O to 40 lb/A with split-boot planter. To avoid ammonia toxicity, Limit N in planter to 25 lb/acre when using urea or DAP blend. CAUTION: NEVER APPLY BORON, UREA, OR DIAMMONIUM PHOSPHATE IN DIRECT CONTACT WITH SEED! \*\* No broadcast P is needed. However, a low rate of N-P-K row or starter fertilizer is recommended, especially with limited drainage, cool soil temperatures, or reduced tillage. If zinc deficiency symptoms have been observed, broadcast 8-10 lbs Zn/A and till into soil. Or, apply 2 lbs Zn/A annually with starter fertilizer and retest in 2-3 years.

FOR ADDITIONAL INFORMATION ABOUT THIS TEST, CONTACT YOUR UVM EXTENSION AGENT → Jeffrey Carter 388-4969

FIELD INFORMATION FROM QUESTIONNAIRE

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|---|--|
| 1. Moderately well-drained [3]                      | 2. Conventional tillage (moldboard plow) [1]   |
| 3. Dairy manure [1]                                 | 4. Amount this crop: 6000 gal. Past year: 3000 gal. 2 years: 0 tons Medium thickness [2] |
| 5. Soil sampled before manure spread [2]            | 6. Spread in spring (after snow melt) [3]  |
| 7. Manure incorporated same day [1]                 | 8. 6.4% DM, Total-N=23.6, NH <sub>4</sub> -N=10.9, P=10.9, K=18.7, Mg= 4.3 lb/1000 gal.  |
| 10. Crop to be used for silage [1]                  | 11. Yield of 20 tons/A (120 bu) expected [2]   |
| 12. Sod not plowed down within the last year [1]    | 13. (Previous crop info is not used in this case)  |
| 14. Legume proportion less than 20%, < 2T yield [1] | 15. Will be seeding alfalfa within 2 years [1]   |