

Nutrient Management Spear Program

Cornell University Department of Animal Science

**Lime Guidelines for Field Crops in New York**

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Farm name:
Farm address:
Field name:
Date:

Step 1: Determine the desired and minimum rotation pH:

| Years: | 2008 | 2009 | 2010 |
|-------------|----------------------|----------------------|----------------------|
| Crops: | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Code: | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Minimum pH: | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| Years: | 2011 | 2012 | 2013 |
|-------------|----------------------|----------------------|----------------------|
| Crops: | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Code: | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Minimum pH: | <input type="text"/> | <input type="text"/> | <input type="text"/> |

Minimum rotation pH:

Step 2: Determine if lime is needed:

Soil pH from soil analysis: Soil pH can be found on the soil test report.
Is lime needed: If lime is needed continue onto Step 3.

Step 3: Determine the lime rate:

Modified Mehlich Buffer pH from soil analysis: Buffer pH can be found on the soil test report.
Tillage depth: inches
Recommended rate (tons/acre): (100% ENV)

Step 4: Adjust rates for lime source characteristics (%ENV) and evaluate costs.

If %ENV is unknown,
leave blank and fill in 20
and 100 mesh boxes and
CCE box.

Lime material name:
Reported %ENV:
or
% passing 20 mesh:
% passing 100 mesh:
Calcium Carbonate Equivalent (CCE):
Calculated or reported %ENV:
Cost per ton of lime material:
Cost per ton of effective neutralizing value:
Choose which lime material to continue with:

Step 5: Lime material, application rate and timing guidelines

Number of acres: acres
Lime material:
Actual application rate: tons/acre
Amount needed for entire field: tons
Total field cost:
Comments: