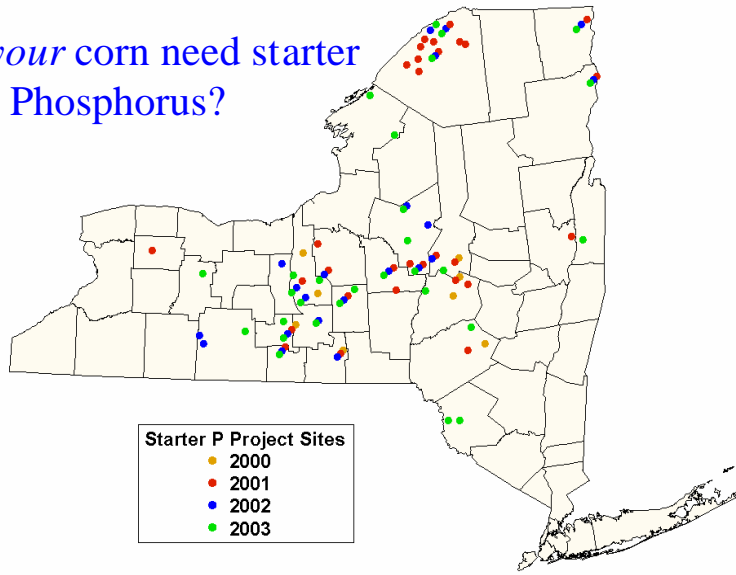


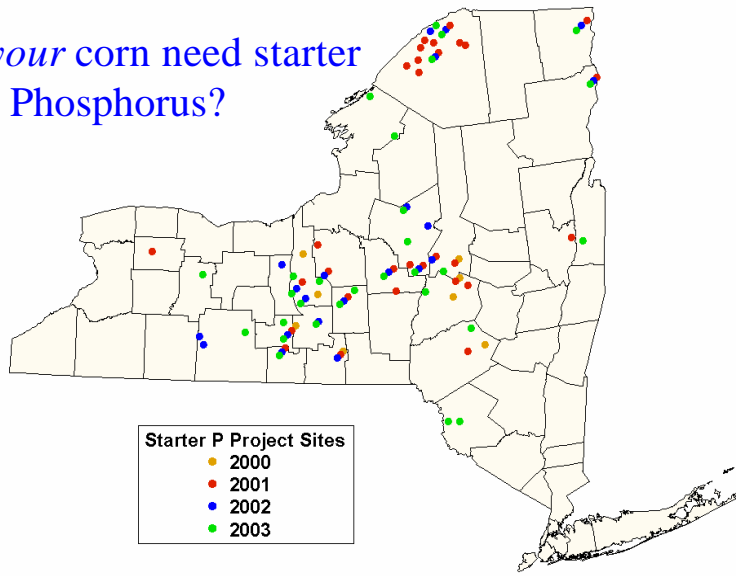
Does *your* corn need starter Phosphorus?



Nutrient Management Spear Program
<http://nmsp.css.cornell.edu>

A collaboration:
Dept. of Crop and Soil Sciences
Cornell Cooperative Extension
PRO-DAIRY

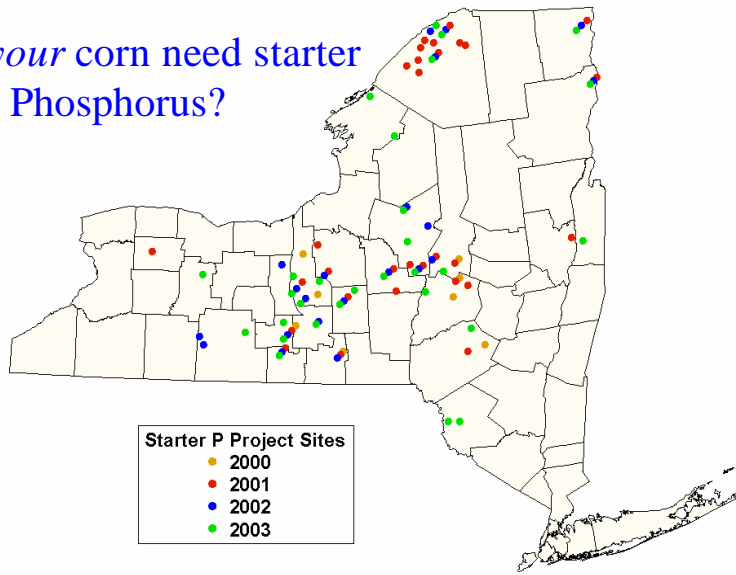
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Corn

Compare your P₂O₅ rate/acre:

Soil test P high or very high for corn:
 Manure? No P fertilizer needed
 No manure? Less than 25 lbs P₂O₅/acre

On-farm Trials: NY Starter P Project		
Starter Fertilizer	Corn Silage Yield (tons/acre 65% M)	
	3-Year Average	
	High P	Very High P
no starter ¹	17.7 b	19.5 b
N (+K) only	17.9 b	20.6 ab
N (+K) +10-25 lbs P ₂ O ₅	19.2 a	21.4 a
N (+K) + >25 lbs P ₂ O ₅	18.2 ab	21.2 a

Phosphorus Guidelines for Corn in New York		
Soil Test P	Lbs P ₂ O ₅ /acre	
	Fields with manure ²	Without manure ³
Very Low	20-30	60-70
Low	20-30	50-60
Medium	20-30	25-50
High	0	less than 25
Very High	0	0

¹ Corn typically responds to 20-30 lbs N in the starter fertilizer band.
² Assumes 10 tons manure/acre.
³ Put 25 lbs P₂O₅/acre in the starter fertilizer band; balance may be included in the band or broadcast.

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