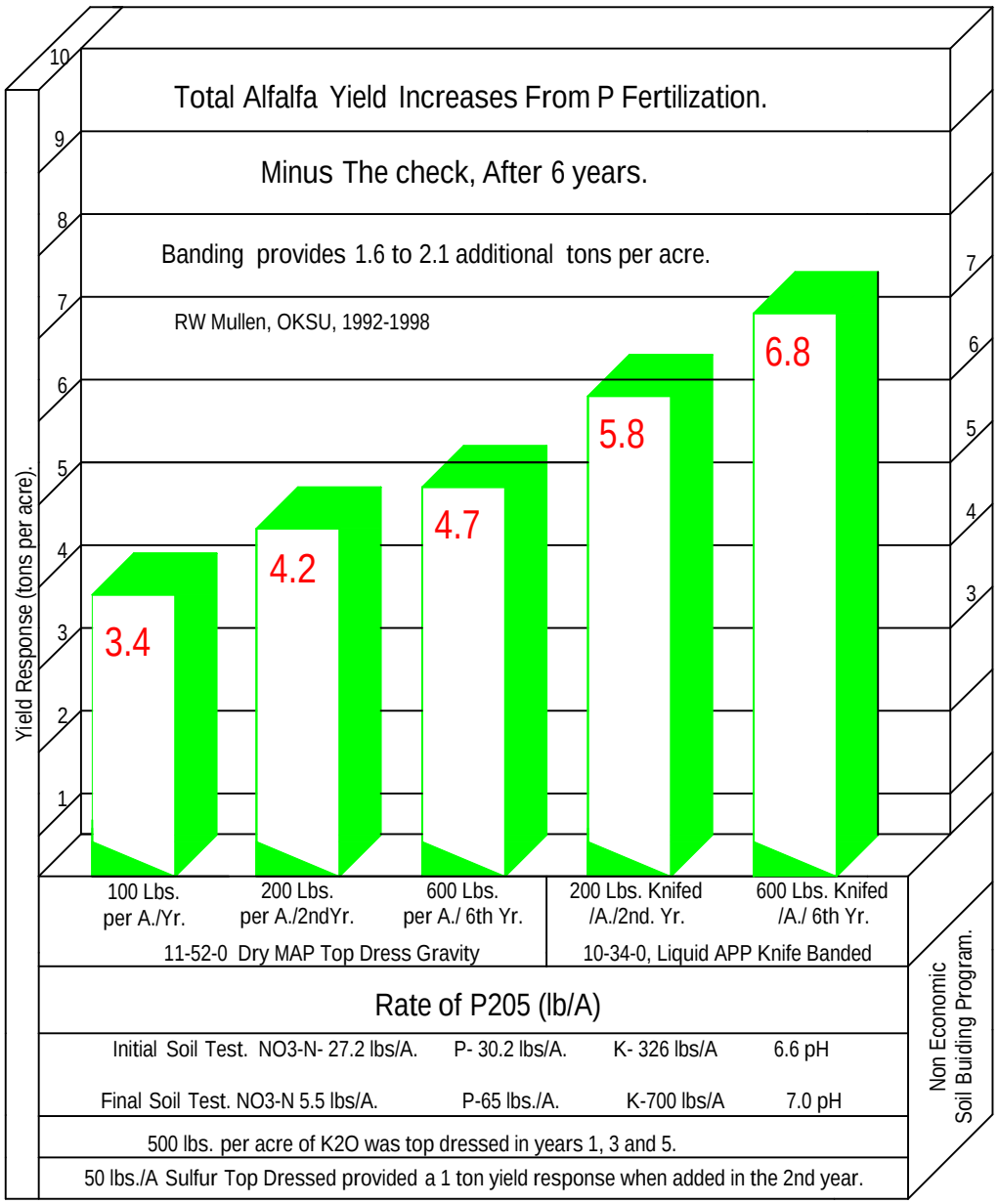
Total Alfalfa Yield Increases From P Fertilization.
Minus The check, After 6 years.
Banding provides 1.6 to 2.1 additional tons per acre.
RW Mullen, OKSU, 1992-1998
Yield Response (tons per acre).
1
2
3
4
5
6
7
8
9
10
3.4
4.2
4.7
5.8
6.8
100 Lbs. per A./Yr.
200 Lbs. per A./2ndYr.
600 Lbs. per A./ 6th Yr.
200 Lbs. Knifed /A./2nd. Yr.
600 Lbs. Knifed /A./ 6th Yr.
11-52-0 Dry MAP Top Dress Gravity
10-34-0, Liquid APP Knife Banded
Rate of P205 (lb/A)
Initial Soil Test. NO3-N- 27.2 lbs/A. P- 30.2 lbs/A. K- 326 lbs/A 6.6 pH
Final Soil Test. NO3-N 5.5 lbs/A. P-65 lbs./A. K-700 lbs/A 7.0 pH
500 lbs. per acre of K2O was top dressed in years 1, 3 and 5.
50 lbs./A Sulfur Top Dressed provided a 1 ton yield response when added in the 2nd year.
Non Economic Soil Buiding Program.