

**PLANTING ALFALFA-GRASS** Crop Code: 1021**Standard Message:****Lime and Magnesium Recommendation:**

pH Goal: 7.0

*See Table 1 for lime recommendations based on target pH*

Opt soil test Mg (ppm): 60

*See Table 2 for Mg recommendations based on optimum soil test Mg***Nitrogen Recommendation (lb N/A):**

Yield Goal ( T/A )				
2	3	4	5	6
0	0	0	0	0

**Phosphorus Recommendation (lb P<sub>2</sub>O<sub>5</sub>/A):***(Optimum soil test P: 30 - 50 ppm)*

Soil test P (ppm)	Yield Goal ( T/A )				
	2	3	4	5	6
0	140	155	170	185	200
5	120	140	150	170	180
10	100	120	130	150	160
15	90	100	120	130	150
20	70	80	100	110	130
25	50	60	80	90	110
30	30	50	60	80	90
35	20	30	50	60	70
40	20	20	30	40	50
45	10	10	20	20	20
50	0	0	0	0	0

**Phosphorus Message(s)**

When soil test P is greater than 300 ppm:

Very high P may lead to crop production or feed quality problems and may result in P loss to the environment.

# PLANTING ALFALFA-GRASS Crop Code: 1021

## Potassium Recommendation (lb K<sub>2</sub>O/A):

(Optimum soil test K: 100 - 200 ppm)

Soil test K (ppm)	Yield Goal ( T/A )				
	2	3	4	5	6
0	150	200	250	300	350
10	150	200	250	300	350
20	140	190	240	290	340
30	140	190	240	290	340
40	130	180	230	280	330
50	130	180	230	280	330
60	120	170	220	270	320
70	120	170	220	270	320
80	110	160	210	260	310
90	110	160	210	260	310
100	100	150	200	250	300
110	90	140	180	230	270
120	80	120	160	200	240
130	70	110	140	180	210
140	60	90	120	150	180
150	50	80	100	130	150
160	40	60	80	100	120
170	30	50	60	80	90
180	20	30	40	50	60
190	10	20	20	30	30
200	0	0	0	0	0

### Potassium Message(s) :

When soil test K is greater than 200 ppm and less than 400 ppm K:

Very high K can lead to imbalances in forages which can cause serious health problems in animals. (See Back).

When soil test K is greater than or equal to 400 ppm:

Very high K can lead to dangerous nutrient imbalances in forage crops which can cause serious health problems in animals (See Back).