

PLANTING GRASS PASTURE Crop Code: 1083

Standard Message:

For optimum efficiency, the recommended N should be split and applied between grazings in 2-4 applications based on anticipated forage growth in the pasture. As an example apply 1/3 to 1/2 of the N at planting, 1/4 to 1/3 in the summer, and 1/3 to 1/2 in the early fall. Recommended Limestone, phosphorus (P) and potassium (K) should be applied before planting.

Lime and Magnesium Recommendation:

pH Goal: 6.5

See Table 1 for lime recommendations based on target pH

Opt soil test Mg (ppm): 120

See Table 2 for Mg recommendations based on optimum soil test Mg

Note: Special Mg recommendation is made for this crop when soil test K is greater than 200 ppm. See Table 2

Nitrogen Recommendation (lb N/A):

Yield Goal (T/A)				
2	2.5	3	3.5	4
100	125	150	175	200

Phosphorus Recommendation (lb P2O5/A):

(Optimum soil test P: 30 -50 ppm)

Soil test P (ppm)	Yield Goal (T/A)				
	2	2.5	3	3.5	4
0	170	180	185	190	200
5	150	150	160	170	180
10	120	130	140	150	150
15	100	110	120	120	130
20	80	80	90	100	100
25	50	60	70	80	80
30	30	40	50	50	60
35	20	30	30	40	50
40	20	20	20	30	30
45	10	10	10	10	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.

Potassium Recommendation (lb K2O/A):

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(Optimum soil test K: 100 - 200 ppm)

Soil test K (ppm)	Yield Goal (T/A)				
	2	2.5	3	3.5	4
0	120	140	160	180	200
10	120	140	160	180	200
20	110	130	150	170	190
30	110	130	150	170	190
40	110	120	140	160	180
50	100	120	140	160	180
60	100	120	140	160	180
70	90	110	130	150	170
80	90	110	130	150	170
90	80	100	120	140	160
100	80	100	120	140	160
110	70	90	110	130	140
120	60	80	100	110	130
130	60	70	80	100	110
140	50	60	70	80	100
150	40	50	60	70	80
160	30	40	50	60	60
170	20	30	40	40	50
180	20	20	20	30	30
190	10	10	10	10	20
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).