

ESTABLISHED MIXED GRASSES Crop Code: 1019**Standard Message:**

For optimum efficiency, the recommended N should be split and applied separately for each cutting. As a guide, apply 50 lb N/A per ton of expected yield for each cutting. Any recommended P and K can be applied after first cutting or in the fall.

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)				
3	4	5	6	7
150	200	250	300	350

Phosphorus Recommendation (lb P₂O₅/A):

(Optimum soil test P: 30 - 50 ppm)

Soil test P (ppm)	Yield Goal (T/A)				
	3	4	5	6	7
0	170	185	200	215	230
5	150	160	180	190	210
10	130	140	160	170	190
15	110	120	140	150	170
20	90	100	120	130	150
25	70	80	100	110	130
30	50	60	80	90	110
35	30	50	60	70	80
40	20	30	40	50	50
45	10	20	20	20	30
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.

ESTABLISHED MIXED GRASSES Crop Code: 1019**Potassium Recommendation (lb K₂O/A):**

(Optimum soil test K: 100 - 200 ppm)

Soil test K (ppm)	Yield Goal (T/A)				
	3	4	5	6	7
0	200	250	300	350	400
10	200	250	300	350	400
20	190	240	290	340	390
30	190	240	290	340	390
40	180	230	280	330	380
50	180	230	280	330	380
60	170	220	270	320	370
70	170	220	270	320	370
80	160	210	260	310	360
90	160	210	260	310	360
100	150	200	250	300	350
110	140	180	230	270	320
120	120	160	200	240	280
130	110	140	180	210	250
140	90	120	150	180	210
150	80	100	130	150	180
160	60	80	100	120	140
170	50	60	80	90	110
180	30	40	50	60	70
190	20	20	30	30	40
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).