

0-70 ppm Soil Test Potassium

Potassium (Mehlich III or Ammonium Acetate only) Recommendations for Forage Crop:

Posted 12-11-2006

Crop	Critical Value	1 N KCl Soil Test Nitrate-N in Parts Per Million (ppm) or mg/Kg									
		0	10	20	30	40	45	50	55	60	70
AFRICAN MILLET	125	40	35	30	30	25	25	20	20	20	15
ALFALFA (IRRIGATED , ESTABLISHMENT)	125	160	145	130	120	105	100	95	85	80	70
ALFALFA (IRRIGATED / 6 TON/A , ANNUALLY)	125	160	145	130	120	105	100	95	85	80	70
ALFALFA (IRRIGATED 8-12 TON/A , ANNUALLY)	125	200	180	165	150	135	125	120	110	100	85
ALFALFA (NON-IRRIGATED , ANNUALLY)	125	120	110	100	90	80	75	70	65	60	50
ALFALFA (NON-IRRIGATED , ESTABLISHMENT)	125	120	110	100	90	80	75	70	65	60	50
BAHIA GRASS (1 HAY CUTTING PLUS GRAZING)	125	120	110	100	90	80	75	70	65	60	50
BAHIA GRASS (3 HAY CUTTINGS)	125	180	165	155	140	130	125	120	110	105	95
BAHIA GRASS (4 TO 6 HAY CUTTINGS)	150	250	230	215	200	180	175	165	155	150	130
BAHIA GRASS ESTABLISHMENT	125	120	110	100	90	80	75	70	65	60	50
BAHIA GRASS, GRAZING (1 A.U. PER 1 TO 1.5 ACRES)	125	120	110	100	90	80	75	70	65	60	50
BAHIA GRASS, GRAZING (1 A.U. PER 1.5 TO 2 ACRES)	125	120	110	100	90	80	75	70	65	60	50
BARLEY (HEAVY GRAZING ON SANDY SOILS)	125	120	110	100	90	80	75	70	65	60	50
BARLEY (HEAVY GRAZING)	125	120	110	100	90	80	75	70	65	60	50
BARLEY GRAIN (70-90 BU/A WITH LIGHT GRAZING)	125	90	80	75	65	60	55	50	50	45	35
BERMUDA (COMMON, MIDLAND) GRASS (4 TO 6 HAY CUTTINGS)	220	310	295	280	270	255	245	240	230	225	210
BLUE PANIC (ESTABLISHMENT)	125	40	35	30	30	25	25	20	20	20	15
BLUE PANIC (GRAZING)	125	40	35	30	30	25	25	20	20	20	15
BLUESTEM (ESTABLISHMENT)	125	40	35	30	30	25	25	20	20	20	15
BLUESTEM (GRAZING OR HAY)	125	120	110	100	90	80	75	70	65	60	50
BLUESTEM (IMPROVED-GRAZING OR HAY)	130	120	110	100	90	80	75	70	65	60	55
BUFFEL GRASS (3 HAY CUTTINGS)	125	120	110	100	90	80	75	70	65	60	50
BUFFEL GRASS (ESTABLISHMENT)	125	120	110	100	90	80	75	70	65	60	50
BUFFEL GRASS (HEAVY GRAZING OR HAY PLUS GRAZING)	125	120	110	100	90	80	75	70	65	60	50
BUFFEL GRASS (MODERATE GRAZING)	125	120	110	100	90	80	75	70	65	60	50
CANE	130	40	35	30	30	25	25	20	20	20	15
CLOVER (PREPARED SEEDBED)	175	120	110	105	95	90	85	85	80	75	70
CLOVER (SOD SEEDED)	175	120	110	105	95	90	85	85	80	75	70
CLOVER WITH RYEGRASS OR SMALL GRAIN (PREPARED SEEDBED)	175	120	110	105	95	90	85	85	80	75	70
CLOVER WITH RYEGRASS OR SMALL GRAIN (SOD SEEDED)	175	120	110	105	95	90	85	85	80	75	70
COMMON BERMUDA GRASS (1 A.U. PER 1 TO 1.5 ACRES)	125	80	70	65	60	50	50	45	40	40	35
COMMON BERMUDA GRASS (1 A.U. PER 1.5 TO 2 ACRES)	150	50	45	40	40	35	35	30	30	30	25
COMMON BERMUDA GRASS (1 HAY CUTTING PLUS GRAZING , ANNUALLY)	125	90	80	75	65	60	55	50	50	45	35
COMMON BERMUDA GRASS (3 HAY CUTTINGS , ANNUALLY)	225	240	230	220	210	195	190	185	180	175	165
COMMON BERMUDA GRASS (ESTABLISHMENT)	125	100	90	80	75	65	60	60	55	50	40
DALLIS GRASS (ESTABLISHMENT)	125	120	110	100	90	80	75	70	65	60	50
DALLIS GRASS (GRAZING 1 A.U. PER 1.5 TO 2 ACRES)	125	120	110	100	90	80	75	70	65	60	50
DALLIS GRASS(GRAZING 1 AU PER 1 TO 1.5 ACRES OR 1 HAY CUTTING PLUS GRAZING)	125	120	110	100	90	80	75	70	65	60	50
DESOTO GRASS	125	120	110	100	90	80	75	70	65	60	50
FESCUE (ESTABLISHMENT)	125	60	55	50	45	40	35	35	30	30	25
FESCUE , HAY OR GRAZING AT 3-4 AU/A	125	120	110	100	90	80	75	70	65	60	50
FORAGE SORGHUM	125	120	110	100	90	80	75	70	65	60	50
HAY GRAZER , 1 HAY CUTTING OR LIGHT GRAZING	125	40	35	30	30	25	25	20	20	20	15
HAY GRAZER , 2 HAY CUTTINGS OR MODERATE GRAZING	125	120	110	100	90	80	75	70	65	60	50
HAY GRAZER , 3 HAY CUTTINGS OR HEAVY GRAZING	125	120	110	100	90	80	75	70	65	60	50
HEGARI	125	60	55	50	45	40	35	35	30	30	25
HUBAN CLOVER	125	60	55	50	45	40	35	35	30	30	25
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING PLUS GRAZING)	150	150	140	130	120	110	105	100	95	90	80
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING-1.5 TONS/A)	125	125	115	105	95	85	80	75	70	65	55
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING-2 TONS/A)	125	150	135	125	110	100	95	90	80	75	65
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING-2.5 TONS/A)	125	175	160	145	130	115	110	105	95	90	75
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING-3 TONS/A)	150	200	185	170	160	145	140	130	125	120	105
IMPROVED AND HYBRID BERMUDA GRASS (2 HAY CUTTINGS-1.5 TONS/A AVG.)	125	150	135	125	110	100	95	90	80	75	65
IMPROVED AND HYBRID BERMUDA GRASS (2 HAY CUTTINGS-2 TONS/A AVG.)	150	200	185	170	160	145	140	130	125	120	105
IMPROVED AND HYBRID BERMUDA GRASS (2 HAY CUTTINGS-2.5 TONS/A AVG.)	150	225	210	195	180	165	155	150	140	135	120
IMPROVED AND HYBRID BERMUDA GRASS (2 HAY CUTTINGS-3 TONS/A AVG.)	150	250	230	215	195	180	170	165	155	145	130
IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-1.5 TONS/A AVG.)	150	200	185	170	160	145	140	130	125	120	105
IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)	150	250	230	215	195	180	170	165	155	145	130
IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2.5 TONS/A AVG.)	150	275	255	235	220	200	190	180	170	165	145
IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-3 TONS/A AVG.)	150	300	280	260	240	220	210	200	190	180	160
IMPROVED AND HYBRID BERMUDA GRASS (4 HAY CUTTINGS-1.5 TONS/A AVG.)	150	240	220	205	190	175	165	160	150	140	125
IMPROVED AND HYBRID BERMUDA GRASS (4 HAY CUTTINGS-2 TONS/A AVG.)	180	300	280	265	245	230	220	215	205	195	180
IMPROVED AND HYBRID BERMUDA GRASS (4 HAY CUTTINGS-2.5 TONS/A AVG.)	180	325	305	285	270	250	240	230	225	215	195
IMPROVED AND HYBRID BERMUDA GRASS (4 HAY CUTTINGS-3 TONS/A AVG.)	180	350	330	310	290	270	260	250	240	230	210
IMPROVED AND HYBRID BERMUDA GRASS (5 HAY CUTTINGS-2 TONS/A AVG.)	180	350	330	310	290	270	260	250	240	230	210
IMPROVED AND HYBRID BERMUDA GRASS (5 HAY CUTTINGS-2.5 TONS/A AVG.)	180	375	350	330	310	290	280	270	260	250	225
IMPROVED AND HYBRID BERMUDA GRASS (5 HAY CUTTINGS-3 TONS/A AVG.)	180	400	375	355	330	310	300	285	275	265	240
IMPROVED AND HYBRID BERMUDA GRASS (6 HAY CUTTINGS-2 TONS/A AVG.)	180	400	375	355	330	310	300	285	275	265	240
IMPROVED AND HYBRID BERMUDA GRASS (6 HAY CUTTINGS-2.5 TONS/A AVG.)	180	425	400	375	350	330	315	305	295	280	255
IMPROVED AND HYBRID BERMUDA GRASS (6 HAY CUTTINGS-3 TONS/A AVG.)	180	450	425	400	375	350	335	325	310	300	275
IMPROVED AND HYBRID BERMUDA GRASS (7 HAY CUTTINGS-2 TONS/A AVG.)	180	450	425	400	375	350	335	325	310	300	275
IMPROVED AND HYBRID BERMUDA GRASS (7 HAY CUTTINGS-2.5 TONS/A AVG.)	180	475	445	420	395	365	355	340	325	315	290
IMPROVED AND HYBRID BERMUDA GRASS (7 HAY CUTTINGS-3 TONS/A AVG.)	180	500	470	440	415	385	370	360	345	330	305
IMPROVED AND HYBRID BERMUDA GRASS (ESTABLISHMENT)	125	100	90	80	75	65	60	60	55	50	40
IMPROVED AND HYBRID BERMUDA GRASS (IRRIGATED , ESTABLISHMENT)	125	100	90	80	75	65	60	60	55	50	40
IMPROVED AND HYBRID BERMUDA GRASS, GRAZING	125	120	110	100	90	80	75	70	65	60	50
JOHNSON GRASS , 1 HAY CUTTING OR LIGHT GRAZING	125	40	35	30	30	25	25	20	20	20	15
JOHNSON GRASS , 2 HAY CUTTINGS OR MODERATE GRAZING	125	40	35	30	30	25	25	20	20	20	15
JOHNSON GRASS , 3 HAY CUTTINGS OR HEAVY GRAZING	125	120	110	100	90	80	75	70	65	60	50
KENAF	125	50	45	40	35	30	30	30	25	25	20
KLEIN GRASS (1 AU PER 2 TO 3 ACRES OR HAY PRODUCTION)	125	50	45	40	35	30	30	30	25	25	20
KLEIN GRASS (ESTABLISHMENT)	125	60	55	50	45	40	35	35	30	30	25
KLEIN GRASS , 1 AU PER 1.25 TO 1.75 ACRE OR HAY PRODUCTION	125	120	110	100	90	80	75	70	65	60	50
LOVE GRASS (ESTABLISHMENT)	125	40	35	30	30	25	25	20	20	20	15
LOVE GRASS , GRAZING OR HAY	220	70	65	60	60	55	55	50	50	50	45
MEXICAN WHEAT	185	60	55	50	50	45	45	40	40	40	35
MILLET , 2 HAY CUTTINGS OR MODERATE GRAZING	100	40	35	30	25	20	20	20	15	15	10
MILLET , LIGHT GRAZING OR 1 HAY CUTTING	125	40	35	30	30	25	25	20	20	20	15
MINIMUM REQUIREMENT: ALFALFA	125	80	70	65	60	50	50	45	40	40	35
MINIMUM REQUIREMENT: BLUESTEM GRASS	130	40	35	30	30	25	25	20	20	20	15
MINIMUM REQUIREMENT: CLOVER	125	120	110	100	90	80	75	70	65	60	50
MINIMUM REQUIREMENT: COOL SEASON PERENNIAL GRASS	130	40	35	30	30	25	25	20	20	20	15
MINIMUM REQUIREMENT: PEAS	130	60	55	50	45	40	35	35	30	30	25
MINIMUM REQUIREMENT: S-1 CLOVER OR WHITE CLOVER	125	80	70	65	60	50	50	45	40	40	35
MINIMUM REQUIREMENT: VETCH OR LESPEDZA	130	60	55	50	45	40	35	35	30	30	25
MINIMUM REQUIREMENT: WARM SEASON PERENNIAL GRASS	130	40	35	30	30	25	25	20	20	20	15
NK-37 OR MIDLAND BERMUDA GRASS (ESTABLISHMENT)	45	40	30	20	10	0					
NK-37 OR MIDLAND BERMUDA GRASS (GRAZING)	125	120	110	100	90	80	75	70	65	60	50
NK-37 OR MIDLAND BERMUDA GRASS , 2 TO 3 HAY CUTTINGS	125	200	180	165	150	135	125	120	110	100	85
OATS (HEAVY GRAZING OR GRAZING PLUS HAY OR GRAIN)	125	120	110	100	90	80	75	70	65	60	50
OATS (LIGHT GRAZING)	125	60	55	50	45	40	35	35	30	30	25
OATS (MODERATE GRAZING)	125	120	110	100	90	80	75	70	65	60	50
OATS (SOD SEEDED)	125	100	90	80	75	65	60	60	55	50	40
OATS ,HAY ONLY (2 -3 TONS/A)	125	40	35	30	30	25	25	20	20	20	15
RANGE GRASS (ESTABLISHMENT)	125	40	35	30	30	25	25	20	20	20	15

RANGE GRASS (GRAZING)	125	120	110	100	90	80	75	70	65	60	50
RED TOP CANE (GRAIN)	125	120	110	100	90	80	75	70	65	60	50

See end of this document for application timing/rates.



Texas Cooperative Extension Soil, Water and Forage Testing Laboratory

0-70 ppm Soil Test Potassium

Posted 12-11-2006

Crop

Potassium (Mehlich III or Ammonium Acetate only) Recommendations for Forage Crop:

Crop	Critical Value	1 N KCl Soil Test Nitrate-N in Parts Per Million (ppm) or mg/Kg									
		0	10	20	30	40	45	50	55	60	70
RHODES GRASS	125	120	110	100	90	80	75	70	65	60	50
RHODES GRASS (ESTABLISHMENT)	125	120	110	100	90	80	75	70	65	60	50
RYE , HEAVY GRAZING	125	120	110	100	90	80	75	70	65	60	50
RYE , MODERATE GRAZING	125	120	110	100	90	80	75	70	65	60	50
RYEGRASS (SOD SEEDED)	125	120	110	100	90	80	75	70	65	60	50
RYEGRASS , HEAVY GRAZING	125	120	110	100	90	80	75	70	65	60	50
RYEGRASS , MODERATE GRAZING	125	120	110	100	90	80	75	70	65	60	50
SILAGE (CORN 11-15 TON/A)	125	100	90	80	75	65	60	55	50	40	
SILAGE (CORN 16-20 TON/A)	125	120	110	100	90	80	75	70	65	60	50
SILAGE (CORN 21-25 TON/A)	125	120	110	100	90	80	75	70	65	60	50
SILAGE (CORN 26-30 TON/A)	125	160	145	130	120	105	100	95	85	80	70
SILAGE (CORN 7 TO 10 TON/A)	125	55	50	45	40	35	35	30	30	25	20
SILAGE (SORGHUM 11-15 TON/A)	125	100	90	80	75	65	60	55	50	40	
SILAGE (SORGHUM 16-20 TON/A)	125	120	110	100	90	80	75	70	65	60	50
SILAGE (SORGHUM 21-25 TON/A)	125	120	110	100	90	80	75	70	65	60	50
SILAGE (SORGHUM 26-30 TON/A)	125	160	145	130	120	105	100	95	85	80	70
SILAGE (SORGHUM 7 TO 10 TON/A)	125	55	50	45	40	35	35	30	30	25	20
SMALL GRAIN AND RYEGRASS (INTENSIVE GRAZING)	125	120	110	100	90	80	75	70	65	60	50
SMALL GRAIN AND RYEGRASS (MODERATE GRAZING)	125	120	110	100	90	80	75	70	65	60	50
SMALL GRAIN AND RYEGRASS (SOD SEEDED)	125	120	110	100	90	80	75	70	65	60	50
SORGHUM ALMUM	125	120	110	100	90	80	75	70	65	60	50
SUDAN - SORGHUM HYBRID , 1 HAY CUTTING OR LIGHT GRAZING	125	120	110	100	90	80	75	70	65	60	50
SUDAN - SORGHUM HYBRID , 2 HAY CUTTINGS OR MODERATE GRAZING	125	120	110	100	90	80	75	70	65	60	50
SUDAN - SORGHUM HYBRID , 3 HAY CUTTINGS OR HEAVY GRAZING	125	120	110	100	90	80	75	70	65	60	50
SUDAN GRASS , 1 HAY CUTTING OR LIGHT GRAZING	125	120	110	100	90	80	75	70	65	60	50
SUDAN GRASS , 2 HAY CUTTINGS OR MODERATE GRAZING	125	120	110	100	90	80	75	70	65	60	50
SUDAN GRASS , 3 HAY CUTTINGS OR HEAVY GRAZING	125	120	110	100	90	80	75	70	65	60	50
SWITCH GRASS	125	120	110	100	90	80	75	70	65	60	50
SWITCH GRASS (ESTABLISHMENT)	125	120	110	100	90	80	75	70	65	60	50
TRITICALE, GRAZING	125	120	110	100	90	80	75	70	65	60	50
TURNIPS, TOPS	125	120	110	100	90	80	75	70	65	60	50
VETCH (PREPARED SEEDBED)	175	120	110	105	95	90	85	85	80	75	70
VETCH (SOD SEEDED)	175	120	110	105	95	90	85	85	80	75	70
VETCH WITH RYEGRASS OR SMALL GRAIN (PREPARED SEEDBED)	175	120	110	105	95	90	85	85	80	75	70
WHEAT (20-29 BU/A) GRAZING & GRAIN	125	120	110	100	90	80	75	70	65	60	50
WHEAT (30-39 BU/A) GRAZING & GRAIN	125	120	110	100	90	80	75	70	65	60	50
WHEAT (40-59 BU/A) GRAZING & GRAIN	125	120	110	100	90	80	75	70	65	60	50
WHEAT (60-79 BU/A) GRAZING & GRAIN	125	120	110	100	90	80	75	70	65	60	50
WHEAT (80-100 BU/A) GRAZING & GRAIN	125	120	110	100	90	80	75	70	65	60	50
WHEAT (HEAVY GRAZING)	125	120	110	100	90	80	75	70	65	60	50
WHEAT (LIGHT GRAZING)	125	120	110	100	90	80	75	70	65	60	50
WHEAT (MODERATE GRAZING)	125	120	110	100	90	80	75	70	65	60	50
WHEAT GRASS , JOSE (HEAVY GRAZING)	125	120	110	100	90	80	75	70	65	60	50
WHEAT GRASS , JOSE (LIGHT GRAZING)	125	120	110	100	90	80	75	70	65	60	50
WHEAT GREENCHOP (2 WET TONS/A-75% MOISTURE)	125	120	110	100	90	80	75	70	65	60	50
WHEAT GREENCHOP (3 WET TONS/A-75% MOISTURE)	125	120	110	100	90	80	75	70	65	60	50
WHEAT GREENCHOP (4 WET TONS/A-75% MOISTURE)	150	150	140	130	120	110	105	100	95	90	80
WHEAT GREENCHOP (5 WET TONS/A-75% MOISTURE)	150	150	140	130	120	110	105	100	95	90	80
WHEAT GREENCHOP (6 WET TONS/A-75% MOISTURE)	160	175	160	150	140	130	125	120	110	105	95
WHEAT GREENCHOP (7 WET TONS/A-75% MOISTURE)	160	175	160	150	140	130	125	120	110	105	95
WHEAT GREENCHOP (8 WET TONS/A-75% MOISTURE)	160	175	160	150	140	130	125	120	110	105	95
WHEAT HAY (1 TON/A)	125	120	110	100	90	80	75	70	65	60	50
WHEAT HAY (1.5 TON/A)	125	120	110	100	90	80	75	70	65	60	50
WHEAT HAY (2 TON/A)	125	120	110	100	90	80	75	70	65	60	50
WHEAT HAY (2.5 TON/A)	150	150	140	130	120	110	105	100	95	90	80
WHEAT HAY (3 TON/A)	150	150	140	130	120	110	105	100	95	90	80
WHEAT HAY (3.5 TON/A)	160	175	160	150	140	130	125	120	110	105	95
WHEAT HAY (4 TON/A)	160	175	160	150	140	130	125	120	110	105	95
WHEAT SILAGE (3 WET TONS-65% MOISTURE)	125	120	110	100	90	80	75	70	65	60	50
WHEAT SILAGE (4.5 WET TONS-65% MOISTURE)	125	120	110	100	90	80	75	70	65	60	50
WHEAT SILAGE (6 WET TONS-65% MOISTURE)	150	150	140	130	120	110	105	100	95	90	80
WHEAT SILAGE (7.5 WET TONS-65% MOISTURE)	150	150	140	130	120	110	105	100	95	90	80
WHEAT SILAGE (9 WET TONS-65% MOISTURE)	160	175	160	150	140	130	125	120	110	105	95

See end of this document for application timing/rates.



Texas Cooperative Extension Soil, Water and Forage Testing Laboratory

80-160 ppm Soil Test Potassium

Posted 12-11-2006

Potassium (Mehlich III or Ammonium Acetate only) Recommendations for Forage Crop

Crop	Critical Value	1 N KCl Soil Test Nitrate-N in Parts Per Million (ppm) or mg/Kg																				
		80	90	100	110	120	130	135	140	150	160											
AFRICAN MILLET	125	10	10	5	0																	
ALFALFA (IRRIGATED , ESTABLISHMENT)	125	55	40	30	15	5																
ALFALFA (IRRIGATED / 6 TON/A , ANNUALLY)	125	55	40	30	15	5																
ALFALFA (IRRIGATED 8-12 TON/A , ANNUALLY)	125	70	55	40	20	5																
ALFALFA (NON-IRRIGATED , ANNUALLY)	125	40	30	20	10	0																
ALFALFA (NON-IRRIGATED , ESTABLISHMENT)	125	40	30	20	10	0																
BAHIA GRASS (1 HAY CUTTING PLUS GRAZING)	125	40	30	20	10	0																
BAHIA GRASS (3 HAY CUTTINGS)	125	80	70	60	45	35	20	15	10	0												
BAHIA GRASS (4 TO 6 HAY CUTTINGS)	150	115	100	80	65	50	30	25	15	0												
BAHIA GRASS ESTABLISHMENT	125	40	30	20	10	0																
BAHIA GRASS, GRAZING (1 A.U. PER 1 TO 1.5 ACRES)	125	40	30	20	10	0																
BAHIA GRASS, GRAZING (1 A.U. PER 1.5 TO 2 ACRES)	125	40	30	20	10	0																
BARLEY (HEAVY GRAZING ON SANDY SOILS)	125	40	30	20	10	0																
BARLEY (HEAVY GRAZING)	125	40	30	20	10	0																
BARLEY GRAIN (70-90 BU/A WITH LIGHT GRAZING)	125	30	25	15	10	0																
BERMUDA (COMMON, MIDLAND) GRASS (4 TO 6 HAY CUTTINGS)	220	195	185	170	155	140	125	120	110	100	85											
BLUE PANIC (ESTABLISHMENT)	125	10	10	5	0																	
BLUE PANIC (GRAZING)	125	10	10	5	0																	
BLUESTEM (ESTABLISHMENT)	125	10	10	5	0																	
BLUESTEM (GRAZING OR HAY)	125	40	30	20	10	0																
BLUESTEM (IMPROVED-GRAZING OR HAY)	130	45	35	25	15	5	0															
BUFFEL GRASS (3 HAY CUTTINGS)	125	40	30	20	10	0																
BUFFEL GRASS (ESTABLISHMENT)	125	40	30	20	10	0																
BUFFEL GRASS (HEAVY GRAZING OR HAY PLUS GRAZING)	125	40	30	20	10	0																
BUFFEL GRASS (MODERATE GRAZING)	125	40	30	20	10	0																
CANE	130	15	10	5	5	0	0															
CLOVER (PREPARED SEEDBED)	175	65	55	50	40	35	30	25	20	15	10											
CLOVER (SOD SEEDD)	175	65	55	50	40	35	30	25	20	15	10											
CLOVER WITH RYEGRASS OR SMALL GRAIN (PREPARED SEEDBED)	175	65	55	50	40	35	30	25	20	15	10											
CLOVER WITH RYEGRASS OR SMALL GRAIN (SOD SEEDD)	175	65	55	50	40	35	30	25	20	15	10											
COMMON BERMUDA GRASS (1 A.U. PER 1 TO 1.5 ACRES)	125	25	20	15	5	0																
COMMON BERMUDA GRASS (1 A.U. PER 1.5 TO 2 ACRES)	150	20	20	15	10	10	5	5	0													
COMMON BERMUDA GRASS (1 HAY CUTTING PLUS GRAZING , ANNUALLY)	125	30	25	15	10	0																
COMMON BERMUDA GRASS (3 HAY CUTTINGS , ANNUALLY)	225	155	145	135	120	110	100	95	90	80	70											
COMMON BERMUDA GRASS (ESTABLISHMENT)	125	35	25	20	10	0																
DALLIS GRASS (ESTABLISHMENT)	125	40	30	20	10	0																
DALLIS GRASS (GRAZING 1 A.U. PER 1.5 TO 2 ACRES)	125	40	30	20	10	0																
DALLIS GRASS(GRAZING 1 AU PER 1 TO 1.5 ACRES OR 1 HAY CUTTING PLUS GRAZING)	125	40	30	20	10	0																
DESOTO GRASS	125	40	30	20	10	0																
FESCUE (ESTABLISHMENT)	125	20	15	10	5	0																
FESCUE , HAY OR GRAZING AT 3-4 AU/A	125	40	30	20	10	0																
FORAGE SORGHUM	125	40	30	20	10	0																
HAY GRAZER , 1 HAY CUTTING OR LIGHT GRAZING	125	10	10	5	0																	
HAY GRAZER , 2 HAY CUTTINGS OR MODERATE GRAZING	125	40	30	20	10	0																
HAY GRAZER , 3 HAY CUTTINGS OR HEAVY GRAZING	125	40	30	20	10	0																
HEGARI	125	20	15	10	5	0																
HUBAN CLOVER	125	20	15	10	5	0																
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING PLUS GRAZING)	150	70	60	50	40	30	20	15	10	0												
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING-1.5 TONS/A)	125	45	35	25	15	5																
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING-2 TONS/A)	125	50	40	30	15	5																
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING-2.5 TONS/A)	125	60	45	35	20	5																
IMPROVED AND HYBRID BERMUDA GRASS (1 HAY CUTTING-3 TONS/A)	150	90	80	65	50	40	25	20	10	0												
IMPROVED AND HYBRID BERMUDA GRASS (2 HAY CUTTINGS-1.5 TONS/A AVG.)	125	50	40	30	15	5																
IMPROVED AND HYBRID BERMUDA GRASS (2 HAY CUTTINGS-2 TONS/A AVG.)	150	90	80	65	50	40	25	20	10	0												
IMPROVED AND HYBRID BERMUDA GRASS (2 HAY CUTTINGS-2.5 TONS/A AVG.)	150	105	90	75	60	45	30	20	15	0												
IMPROVED AND HYBRID BERMUDA GRASS (2 HAY CUTTINGS-3 TONS/A AVG.)	150	115	95	80	65	45	30	20	15	0												
IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-1.5 TONS/A AVG.)	150	90	80	65	50	40	25	20	10	0												
IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2 TONS/A AVG.)	150	115	95	80	65	45	30	20	15	0												
IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-2.5 TONS/A AVG.)	150	125	110	90	70	55	35	25	15	0												
IMPROVED AND HYBRID BERMUDA GRASS (3 HAY CUTTINGS-3 TONS/A AVG.)	150	140	120	100	80	60	40	30	20	0												
IMPROVED AND HYBRID BERMUDA GRASS (4 HAY CUTTINGS-1.5 TONS/A AVG.)	150	110	95	80	60	45	30	20	15	0												
IMPROVED AND HYBRID BERMUDA GRASS (4 HAY CUTTINGS-2 TONS/A AVG.)	180	165	145	130	115	95	80	70	65	45	30											
IMPROVED AND HYBRID BERMUDA GRASS (4 HAY CUTTINGS-2.5 TONS/A AVG.)	180	180	160	140	125	105	90	80	70	50	35											
IMPROVED AND HYBRID BERMUDA GRASS (4 HAY CUTTINGS-3 TONS/A AVG.)	180	190	175	155	135	115	95	85	75	55	35											
IMPROVED AND HYBRID BERMUDA GRASS (5 HAY CUTTINGS-2 TONS/A AVG.)	180	190	175	155	135	115	95	85	75	55	35											
IMPROVED AND HYBRID BERMUDA GRASS (5 HAY CUTTINGS-2.5 TONS/A AVG.)	180	205	185	165	145	125	100	90	80	60	40											
IMPROVED AND HYBRID BERMUDA GRASS (5 HAY CUTTINGS-3 TONS/A AVG.)	180	220	200	175	155	130	110	100	85	65	40											
IMPROVED AND HYBRID BERMUDA GRASS (6 HAY CUTTINGS-2 TONS/AAVG.)	180	220	200	175	155	130	110	100	85	65	40											
IMPROVED AND HYBRID BERMUDA GRASS (6 HAY CUTTINGS-2.5 TONS/A AVG.)	180	235	210	185	165	140	115	105	90	70	45											
IMPROVED AND HYBRID BERMUDA GRASS (6 HAY CUTTINGS-3 TONS/A AVG.)	180	250	225	200	175	150	125	110	100	75	50											
IMPROVED AND HYBRID BERMUDA GRASS (7 HAY CUTTINGS-2 TONS/A AVG.)	180	250	225	200	175	150	125	110	100	75	50											
IMPROVED AND HYBRID BERMUDA GRASS (7 HAY CUTTINGS-2.5 TONS/A AVG.)	180	260	235	210	180	155	130	115	105	75	50											
IMPROVED AND HYBRID BERMUDA GRASS (7 HAY CUTTINGS-3 TONS/A AVG.)	180	275	245	220	190	165	135	120	110	80	55											
IMPROVED AND HYBRID BERMUDA GRASS (ESTABLISHMENT)	125	35	25	20	10	0																
IMPROVED AND HYBRID BERMUDA GRASS (IRRIGATED , ESTABLISHMENT)	125	35	25	20	10	0																
IMPROVED AND HYBRID BERMUDA GRASS, GRAZING	125	40	30	20	10	0																
JOHNSON GRASS , 1 HAY CUTTING OR LIGHT GRAZING	125	10	10	5	0																	
JOHNSON GRASS , 2 HAY CUTTINGS OR MODERATE GRAZING	125	10	10	5	0																	
JOHNSON GRASS , 3 HAY CUTTINGS OR HEAVY GRAZING	125	40	30	20	10	0																
KENAF	125	15	10	10	5	0																
KLEIN GRASS (1 AU PER 2 TO 3 ACRES OR HAY PRODUCTION)	125	15	10	10	5	0																
KLEIN GRASS (ESTABLISHMENT)	125	20	15	10	5	0																
KLEIN GRASS , 1 AU PER 1.25 TO 1.75 ACRE OR HAY PRODUCTION	125	40	30	20	10	0																
LOVE GRASS (ESTABLISHMENT)	125	10	10	5	0	0																
LOVE GRASS , GRAZING OR HAY	220	40	40	35	35	30	25	25	25	20	15											
MEXICAN WHEAT	185	30	30	25	20	20																

MILLET , LIGHT GRAZING OR 1 HAY CUTTING	125
MINIMUM REQUIREMENT: ALFALFA	125
MINIMUM REQUIREMENT: BLUESTEM GRASS	130
MINIMUM REQUIREMENT: CLOVER	125
MINIMUM REQUIREMENT: COOL SEASON PERENNIAL GRASS	130
MINIMUM REQUIREMENT: PEAS	130
MINIMUM REQUIREMENT: S-1 CLOVER OR WHITE CLOVER	125
MINIMUM REQUIREMENT: VETCH OR LESPEDZA	130
MINIMUM REQUIREMENT: WARM SEASON PERENNIAL GRASS	130
NK-37 OR MIDLAND BERMUDA GRASS (ESTABLISHMENT)	45
NK-37 OR MIDLAND BERMUDA GRASS (GRAZING)	125
NK-37 OR MIDLAND BERMUDA GRASS , 2 TO 3 HAY CUTTINGS	125
OATS (HEAVY GRAZING OR GRAZING PLUS HAY OR GRAIN)	125
OATS (LIGHT GRAZING)	125
OATS (MODERATE GRAZING)	125
OATS (SOD SEEDED)	125
OATS ,HAY ONLY (2 -3 TONS/A)	125
RANGE GRASS (ESTABLISHMENT)	125
RANGE GRASS (GRAZING)	125
RED TOP CANE (GRAIN)	125

See end of this document for application timing/rates.



Texas Cooperative Extension Soil, Water and Forage Testing Laboratory

170-230 ppm Soil Test Potassium

Posted 12-11-2006

Crop

Potassium (Mehlich III or Ammonium Acetate only) Recommendations for Forage Cro

1 N KCl Soil Test Nitrate-N in Parts Per Million (ppm) or mg/Kg

	170	175	180	185	190	200	210	220	225	230
RHODES GRASS										
RHODES GRASS (ESTABLISHMENT)										
RYE , HEAVY GRAZING										
RYE , MODERATE GRAZING										
RYEGRASS (SOD SEEDED)										
RYEGRASS , HEAVY GRAZING										
RYEGRASS , MODERATE GRAZING										
SILAGE (CORN 11-15 TON/A)										
SILAGE (CORN 16-20 TON/A)										
SILAGE (CORN 21-25 TON/A)										
SILAGE (CORN 26-30 TON/A)										
SILAGE (CORN 7 TO 10 TON/A)										
SILAGE (SORGHUM 11-15 TON/A)										
SILAGE (SORGHUM 16-20 TON/A)										
SILAGE (SORGHUM 21-25 TON/A)										
SILAGE (SORGHUM 26-30 TON/A)										
SILAGE (SORGHUM 7 TO 10 TON/A)										
SMALL GRAIN AND RYEGRASS (INTENSIVE GRAZING)										
SMALL GRAIN AND RYEGRASS (MODERATE GRAZING)										
SMALL GRAIN AND RYEGRASS (SOD SEEDED)										
SORGHUM ALMUM										
SUDAN - SORGHUM HYBRID , 1 HAY CUTTING OR LIGHT GRAZING										
SUDAN - SORGHUM HYBRID , 2 HAY CUTTINGS OR MODERATE GRAZING										
SUDAN - SORGHUM HYBRID , 3 HAY CUTTINGS OR HEAVY GRAZING										
SUDAN GRASS , 1 HAY CUTTING OR LIGHT GRAZING										
SUDAN GRASS , 2 HAY CUTTINGS OR MODERATE GRAZING										
SUDAN GRASS , 3 HAY CUTTINGS OR HEAVY GRAZING										
SWITCH GRASS										
SWITCH GRASS (ESTABLISHMENT)										
TRITICALE, GRAZING										
TURNIPS, TOPS										
VETCH (PREPARED SEEDBED)										0
VETCH (SOD SEEDED)										0
VETCH WITH RYEGRASS OR SMALL GRAIN (PREPARED SEEDBED)										0
WHEAT (20-29 BU/A) GRAZING & GRAIN										
WHEAT (30-39 BU/A) GRAZING & GRAIN										
WHEAT (40-59 BU/A) GRAZING & GRAIN										
WHEAT (60-79 BU/A) GRAZING & GRAIN										
WHEAT (80-100 BU/A) GRAZING & GRAIN										
WHEAT (HEAVY GRAZING)										
WHEAT (LIGHT GRAZING)										
WHEAT (MODERATE GRAZING)										
WHEAT GRASS , JOSE (HEAVY GRAZING)										
WHEAT GRASS , JOSE (LIGHT GRAZING)										
WHEAT GREENCHOP (2 WET TONS/A-75% MOISTURE)										
WHEAT GREENCHOP (3 WET TONS/A-75% MOISTURE)										
WHEAT GREENCHOP (4 WET TONS/A-75% MOISTURE)										150
WHEAT GREENCHOP (5 WET TONS/A-75% MOISTURE)										150
WHEAT GREENCHOP (6 WET TONS/A-75% MOISTURE)										160
WHEAT GREENCHOP (7 WET TONS/A-75% MOISTURE)										160
WHEAT GREENCHOP (8 WET TONS/A-75% MOISTURE)										160
WHEAT HAY (1 TON/A)										125
WHEAT HAY (1.5 TON/A)										125
WHEAT HAY (2 TON/A)										125
WHEAT HAY (2.5 TON/A)										150
WHEAT HAY (3 TON/A)										150
WHEAT HAY (3.5 TON/A)										160
WHEAT HAY (4 TON/A)										160
WHEAT SILAGE (3 WET TONS-65% MOISTURE)										125
WHEAT SILAGE (4.5 WET TONS-65% MOISTURE)										125
WHEAT SILAGE (6 WET TONS-65% MOISTURE)										150
WHEAT SILAGE (7.5 WET TONS-65% MOISTURE)										150
WHEAT SILAGE (9 WET TONS-65% MOISTURE)										160

See end of this document for application timing/rates.

JOHNSON GRASS , 2 HAY CUTTINGS OR MODERATE GRAZING
 JOHNSON GRASS , 3 HAY CUTTINGS OR HEAVY GRAZING
 KLEIN GRASS (1 AU PER 2 TO 3 ACRES OR HAY PRODUCTION)
 KLEIN GRASS (ESTABLISHMENT)
 KLEIN GRASS , 1 AU PER 1.25 TO 1.75 ACRE OR HAY PRODUCTION
 LANDSCAPE (LAWN , TREES , SHRUBS , OR GROUND COVER)
 LOVE GRASS (ESTABLISHMENT)
 LOVE GRASS , GRAZING OR HAY
 MEXICAN WHEAT
 MILLET , 2 HAY CUTTINGS OR MODERATE GRAZING
 MILLET , LIGHT GRAZING OR 1 HAY CUTTING
 MINIMUM REQUIREMENT: ALFALFA
 MINIMUM REQUIREMENT: BLUESTEM GRASS
 MINIMUM REQUIREMENT: CLOVER
 MINIMUM REQUIREMENT: COOL SEASON PERENNIAL GRASS
 MINIMUM REQUIREMENT: PEAS
 MINIMUM REQUIREMENT: S-1 CLOVER OR WHITE CLOVER
 MINIMUM REQUIREMENT: VETCH OR LESPEDZA
 MINIMUM REQUIREMENT: WARM SEASON PERENNIAL GRASS
 NK-37 OR MIDLAND BERMUDA GRASS (ESTABLISHMENT)
 NK-37 OR MIDLAND BERMUDA GRASS (GRAZING)
 NK-37 OR MIDLAND BERMUDA GRASS , 2 TO 3 HAY CUTTINGS
 OATS (HEAVY GRAZING OR GRAZING PLUS HAY OR GRAIN)
 OATS (LIGHT GRAZING)
 OATS (MODERATE GRAZING)
 OATS (SOD SEEDED)
 OATS ,HAY ONLY (2 -3 TONS/A)
 RANGE GRASS (ESTABLISHMENT)
 RANGE GRASS (GRAZING)
 RED TOP CANE (GRAIN)

Split apply potassium fertilizer if recommendation is for more than 75 lbs K2O per acre.
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Texas Cooperative Extension Soil, Water and Forage Testing Laboratory

Soil Test Potassium Recommendations for Mehlich III or Ammonium Acetate only Specific comments regarding application rates and timing

Posted 12-11-2006

Crop

RHODES GRASS
 RHODES GRASS (ESTABLISHMENT)
 RYE , HEAVY GRAZING
 RYE , MODERATE GRAZING
 RYEGRASS (SOD SEEDED)
 RYEGRASS , HEAVY GRAZING
 RYEGRASS , MODERATE GRAZING
 SILAGE (CORN 11-15 TON/A)
 SILAGE (CORN 16-20 TON/A)
 SILAGE (CORN 21-25 TON/A)
 SILAGE (CORN 26-30 TON/A)
 SILAGE (CORN 7 TO 10 TON/A)
 SILAGE (SORGHUM 11-15 TON/A)
 SILAGE (SORGHUM 16-20 TON/A)
 SILAGE (SORGHUM 21-25 TON/A)
 SILAGE (SORGHUM 26-30 TON/A)
 SILAGE (SORGHUM 7 TO 10 TON/A)
 SMALL GRAIN AND RYEGRASS (INTENSIVE GRAZING)
 SMALL GRAIN AND RYEGRASS (MODERATE GRAZING)
 SMALL GRAIN AND RYEGRASS (SOD SEEDED)
 SORGHUM ALMUM
 SUDAN - SORGHUM HYBRID , 1 HAY CUTTING OR LIGHT GRAZING
 SUDAN - SORGHUM HYBRID , 2 HAY CUTTINGS OR MODERATE GRAZING
 SUDAN - SORGHUM HYBRID , 3 HAY CUTTINGS OR HEAVY GRAZING
 SUDAN GRASS , 1 HAY CUTTING OR LIGHT GRAZING
 SUDAN GRASS , 2 HAY CUTTINGS OR MODERATE GRAZING
 SUDAN GRASS , 3 HAY CUTTINGS OR HEAVY GRAZING
 SWITCH GRASS
 SWITCH GRASS (ESTABLISHMENT)
 TRITICALE GRAZING
 TURNIPS, TOPS
 VEGETABLES , TRUCK FARM
 VETCH (PREPARED SEEDBED)
 VETCH (SOD SEEDED)
 VETCH WITH RYEGRASS OR SMALL GRAIN (PREPARED SEEDBED)
 WHEAT (20-29 BU/A) GRAZING & GRAIN
 WHEAT (30-39 BU/A) GRAZING & GRAIN
 WHEAT (40-59 BU/A) GRAZING & GRAIN
 WHEAT (60-79 BU/A) GRAZING & GRAIN
 WHEAT (80-100 BU/A) GRAZING & GRAIN
 WHEAT (HEAVY GRAZING)
 WHEAT (LIGHT GRAZING)
 WHEAT (MODERATE GRAZING)
 WHEAT GRASS , JOSE (HEAVY GRAZING)
 WHEAT GRASS , JOSE (LIGHT GRAZING)
 WHEAT GREENCHOP (2 WET TONS/A-75% MOISTURE)
 WHEAT GREENCHOP (3 WET TONS/A-75% MOISTURE)
 WHEAT GREENCHOP (4 WET TONS/A-75% MOISTURE)
 WHEAT GREENCHOP (5 WET TONS/A-75% MOISTURE)
 WHEAT GREENCHOP (6 WET TONS/A-75% MOISTURE)
 WHEAT GREENCHOP (7 WET TONS/A-75% MOISTURE)
 WHEAT GREENCHOP (8 WET TONS/A-75% MOISTURE)
 WHEAT HAY (1 TON/A)
 WHEAT HAY (1.5 TON/A)
 WHEAT HAY (2 TON/A)
 WHEAT HAY (2.5 TON/A)
 WHEAT HAY (3 TON/A)
 WHEAT HAY (3.5 TON/A)
 WHEAT HAY (4 TON/A)
 WHEAT SILAGE (3 WET TONS-65% MOISTURE)
 WHEAT SILAGE (4.5 WET TONS-65% MOISTURE)
 WHEAT SILAGE (6 WET TONS-65% MOISTURE)
 WHEAT SILAGE (7.5 WET TONS-65% MOISTURE)
 WHEAT SILAGE (9 WET TONS-65% MOISTURE)

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