

Common Name	Redtop		
	Survey Average		
Macronutrients %		Micronutrients ppm	
N	3.3	Fe	590
P	0.32	Mn	128
K	2.03	B	10
Ca	0.57	Cu	22
Mg	0.37	Zn	37
S	no data	Mo	0.3
	Nonessential	Elements	
	ppm		
	Na		232
	Al		503
Cultivars Sampled	species only		

Common Name	Creeping Bentgrass		
	Survey Average		
Macronutrients %		Micronutrients ppm	
N	2.40-8.30	Fe	99-500
P	0.20-0.55	Mn	30-160
K	0.86-2.55	B	5-24
Ca	0.21-0.50	Cu	9-40
Mg	0.09-0.22	Zn	5-60
S	0.23-0.39	Mo	0.50-1.00
	Nonessential	Elements	
	ppm		
	Na		505-2264
	Al		63-408
Cultivars Sampled	not specified		

Common Name	Colonial Bentgrass		
	Survey Average		
Macronutrients %		Micronutrients ppm	
N	3.9	Fe	179
P	0.46	Mn	83
K	3.02	B	6
Ca	0.36	Cu	19
Mg	0.25	Zn	50
S	no data	Mo	1.25
	Nonessential	Elements	
	ppm		
	Na		367
	Al		74
Cultivars Sampled	species only		

Common Name	Bermudagrass		
	Survey Average		
Macronutrients %			Micronutrients ppm
N	2.30-5.00		Fe 50-500
P	0.15-0.50		Mn 25-300
K	1.00-4.00		B 6-30
Ca	0.35-1.00		Cu 5-50
Mg	0.13-0.50		Zn 20-250
S	0.15-0.50		Mo 0.10-1.20
	Nonessential		Elements
	ppm		
	Na		500-850
	Al		100-1150
Cultivars Sampled	not specified		
Common Name	Kentucky 31	Tall Fescue	
	Survey Average		
Macronutrients %			Micronutrients ppm
N		5.4	Fe 354
P		0.51	Mn 71
K		3.7	B 9
Ca		0.49	Cu 34
Mg		0.35	Zn 47
S		no data	Mo 1.05
	Nonessential		Elements
	ppm		
	Na		452
	Al		393
Cultivars Sampled	Kentucky 31		
Common Name	Creeping Red Fescue		
	Survey Average		
Macronutrients %			Micronutrients ppm
N	no data		Fe 265
P		0.34	Mn 54
K		2.62	B 6
Ca		0.39	Cu 20
Mg		0.24	Zn 30
S	no data		Mo 1.72
	Nonessential		Elements
	ppm		
	Na		95
	Al		224
Cultivars Sampled	species only		

Common Name		Perennial Ryegrass	
Survey Average			
Macronutrients %		Micronutrients ppm	
N	3.34-5.10	Fe	97-934
P	0.35-0.55	Mn	30-73
K	-3.42	B	17-May
Ca	0.25-0.51	Cu	Jun-38
Mg	0.16-0.32	Zn	14-64
S	0.27-0.56	Mo	0.50-1.00
Nonessential		Elements	
ppm			
Na		229-1107	
Al		52-992	
Cultivars Sampled		not specified	
Common Name		Kentucky Bluegrass	
Survey Average			
Macronutrients %		Micronutrients ppm	
N	2.51-5.10	Fe	102-182
P	0.27-0.40	Mn	18-37
K	1.73-3.00	B	6-8
Ca	0.27-0.58	Cu	8-33
Mg	0.13-0.16	Zn	19-88
S	0.18-0.24	Mo	0.82-1.77
Nonessential		Elements	
ppm			
Na		100-884	
Al		25-179	
Cultivars Sampled		not specified	
Common Name		Rough Bluegrass 'Laser'	
Survey Average			
Macronutrients %		Micronutrients ppm	
N	2.67-3.00	Fe	127-241
P	0.35-0.40	Mn	91-98
K	2.48-2.77	B	10-12
Ca	0.66-0.72	Cu	3-5
Mg	0.25-0.28	Zn	38-43
S	0.44-0.48	Mo	0.02-1.16
Nonessential		Elements	
ppm			
Na		506-570	
Al		184-408	
Cultivars Sampled		Laser'	

Common Name	St. Augustinegrass		
	Survey Average		
Macronutrients %			Micronutrients ppm
N	1.90-3.00		Fe 50-300
P	0.20-0.50		Mn 40-250
K	2.50-4.00		B 5-10
Ca	0.30-0.50		Cu 10-20
Mg	0.15-0.25		Zn 20-100
S	no data		Mo no data
	Nonessential		Elements
	ppm		
	Na		no data
	Al		no data
Cultivars Sampled	not specified		
Common Name	Zoysagrass ' Meyer'		
	Survey Average		
Macronutrients %			Micronutrients ppm
N		2.4	Fe 230
P		0.2	Mn 29
K		1.45	B 6
Ca		0.29	Cu 17
Mg		0.13	Zn 35
S	no data		Mo 177
	Nonessential		Elements
	ppm		
	Na		200
	Al		146
Cultivars Sampled	Meyer'		
Common Name	Tall Fescue		
	Survey Average		
Macronutrients %			Micronutrients ppm
N	3.40-4.55		Fe 83-167
P	0.34-0.50		Mn 54-74
K	3.00-4.00		B 15-20
Ca	0.40-0.45		Cu 9-15
Mg	0.24-0.29		Zn 20-64
S	0.40-0.44		Mo 0.69-1.21
	Nonessential		Elements
	ppm		
	Na		777-890
	Al		56-225
Cultivars Sampled	not specified		

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