	Fitted critica curve and ex N concentra greater than	I N dilution cu xperimental da tion [%N] for t %Nc (i.e., Su	ata observed t that given leve	evel of location for that date. It is of biomass it al number of	n:variety show Experimental s less than the experimental	vn at each lev data points ar le critical N co observations	el of index vectorial electrical	vith the fitted linea depending on wh [%Nc] (i.e., Defici s Deficit or Surplu	ether the t) or is
	Argentina Deficit: 33, 5	- Bannock Surplus: 19	Russet	207	208	209	210	211	
	3	3	4	4	1	1 0 10 20 30	3 0 10 20 30	4	N Status Classification
	- - -	213	214	215	216	-	0 10 20 30	0 10 20 30	DeficitSurplus
	O 10 20 30 Argentina Deficit: 40, S	0 10 20 30 - Gem Rus: Surplus: 32	0 10 20 30 set	0 10 20 30 Biomass	0 10 20 30 [Mg ha ⁻¹]				
6 4 2	1-2-3	219	220	221	222	223	224	225	
g N 100 g ⁻¹]	226	227	228	229	230	231	232	233	N Status Classification Deficit
	234	235	0 10 20 30	0 10 20 30	0 10 20 30	0 10 20 30	0 10 20 (0 10 20 30	 Surplus
•	_	- Innovator		Biomass	[Mg ha ⁻¹]				
:	Deficit: 51, S	238	239	240	241	242	243	244	
%N [g N 100 g ⁻¹]	245	246	247	248	2 249	250	251	252	N Status Classification • Deficit
	1-	254	0 10 20 30	0 10 20 30	0 10 20 30	1 0 10 20 30	0 10 20	2 30 0 10 20 30	Surplus
		- Markies F		Biomass	[Mg ha ⁻¹]				
6	Deficit: 20, 8		257	258	259	260	261	262	
%N [g N 100 g ⁻¹]	263	0 10 20 3	4 800 10 20 3	00 10 20 3	00 10 20 3	300 10 20 3	3 100 10 20	30 0 10 20 30	N Status Classification Deficit Surplus
 %									
6	Deficit: 36, 5	- Umatilla F Surplus: 20	Russet	267	268	269	270	271	
g^{-1}	2 272	2 273	274	275	276	3 277	0 10 20 30	0 10 20 30	N Status Classification Deficit
4	0 10 20 30	1 0 10 20 30	0 10 20 30	1 0 10 20 30	0 10 20 30	0 10 20 30	-		Surplus
	Belgium - Deficit: 40, S		3	Biomass	[Mg ha ⁻¹]	6	7	8	
:	9	1 11	12	13	14	1 15	1 16	18	
6 4 2 0 6 4 2 0 6 4 2 0 6 4 2 0 6 4 2 0 6 4 2 0 6 6 4 2 0 6 6 4 2 0 6 6 4 2 0 6 6 4 2 0 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	1-	1 20	21	22	1 23	25	26	1 27	
	22 1 28	29	30	31	32	33	34	35	N Status
	36	5 38	39	40	41	1 42	1 43	70	Classification Deficit Surplus
	71	1 72	73	74	75	76	1 77	78	
	79	0 5 10	0 5 10	0 5 10	0 5 10	5 10	0 5 10	1	
:	1 0 5 10	-		Biomass	· [Mg ha ⁻¹]				
6	Belgium - Deficit: 16, S		47	48	49	50	51	52	
:	53	54	1 55	56	57	58	60	61	N Status
[₁ -g 001 N g] N%	62	63	64	1 65	66	5 67	1 68	5 69	Classification Deficit Surplus
	4-2	0 5 10	3 10 5 10	1 0 5 10	0 5 10	0 5 10	0 5 10	1 0 5 10	
	Deficit: 33, 5	Russet Burl Surplus: 71	bank	Blomass	[Mg ha ⁻¹]	191	192	280	
;	281	1 282	283	284	285	2 286	2 298	1 299	
) g ⁻¹]	300	301	302	303	304	305	1 318	1 319	N Status Classification Deficit
6] N % 2	1-2-2-	321	322	3 323	324	325	1 0 5 10	1 0 5 10	Surplus
:	0 5 10	0 5 10	0 5 10	2 0 5 10	2 0 5 10 1Mg ha ⁻¹ 1	2 0 5 10	-		
	Canada - Deficit: 44, S		197	BIOMASS	[Mg ha ⁻¹]	200	201	202	
:	289	1 290	291	292	293	2 294	2 295	308	
g_1_1	309	1 310	3 11	312	313	314	315	1 329	N Status Classification Deficit
001 N b] N% 0 6 4 2 0	330	331	332	333	334	335	2 0 5 10	1 15 0 5 10 15	Surplus
	2	2 1 5 0 5 10 15	5 0 5 10 15	2 5 0 5 10 15 Riomago		2 2 5 0 5 10 15	- - 5		
	Deficit: 5, Su	113	114	115	[Mg ha ⁻¹]	117	118	119	
	. 9	121	2 1 0 5 10	0 5 10	1 0 5 10	0 5 10	3 0 5 10	0 5 10	N Status Classification • Deficit
b N 4 2 0	2 2 2 10 0 5 10								Surplus
	Minnesota Deficit: 8, St	ı - Dakota F	Russet	Biomass	[Mg ha ⁻¹]	147	148	149	
) g ⁻¹]	5 5	4	152	2	1 154	1 155	0 5 10	15 0 5 10 15	N Status Classification
N 6] N%		151 5 0 5 10 15	5	153 5 0 5 10 15	4	5 0 5 10 15] -		DeficitSurplus
	Minnesota Deficit: 13, S	ı - Easton Surplus: 57	1	Biomass	[Mg ha ⁻¹]	1	1		
	156	157	158	159	160	161	162	163	N Status Classification
		165	166	167	168	169	0 5 10 15 2	20 0 5 10 15 20	DeficitSurplus
	0 5 10 15 20	ı - Russet B		0 5 10 15 20 Biomass	0 5 10 15 20 [Mg ha ⁻¹]	0 5 10 15 20	-		
6	82	83	84	85	86	87	90	91	
	92	93	94	95	96	97	98	99	
:	100	101	102	103	104	105	106	107	
0 6 4 2 0 N%	108	109	110	111	122	123	124	125	N Status Classification Deficit Surplus
2 ′	126	127	128	129	130	131	170	171	دسر
	3					1	1	<u> </u>	
	172	173	174	175	176 3 2 0 5 10 15 20	1 177 6 0 5 10 15 20	1 178 6 0 5 10 15	179	
	172	181	182	183 6 0 5 10 15 20	0 5 10 15 20	6	6	4	
	172 180 0 5 10 15 20	181 181 2 0 5 10 15 20 1 - Umatilla	182 3 0 5 10 15 20	183 6 0 5 10 15 20	0 5 10 15 20	6	6	4	
	172 180 180 6 6 180 6 180 6 180 6 132	181 181 2 0 5 10 15 20 1 - Umatilla urplus: 27	182 3 0 5 10 15 20 Russet	183 6 0 5 10 15 20 Biomass	2 0 5 10 15 20 [Mg ha ⁻¹]	137	138	20 0 5 10 15 20	N Status Classification
1 [g N 100 g ⁻¹]	172 180 180 6 6 180 6 180 6 180 6 132	181 4 2 1 0 5 10 15 20 1 - Umatilla 133 3 141 3	182 3 1 182 3 0 5 10 15 20 Russet	183 6 0 5 10 15 20 Biomass	2 0 5 10 15 20 [Mg ha ⁻¹]	137	138	139	