

HARD-SEED CONTENT OF ALFALFA CULTIVARS GROWN IN CANADA



According to the data obtained from Agriculture Canada Inspection Directorate Laboratories, 53 alfalfa cultivars were grown for seed in the western Canadian provinces of Manitoba, Saskatchewan, Alberta and British Columbia during the 5-year period 1984-1988. The hard-seed content of each of these cultivars, and the agricultural region within the province where each was grown is presented in Table 1. Since there were few samples from British Columbia (a maximum of 30 in any year), and all were from the Peace River region, these were combined with samples from the same region in Alberta. It should be noted that the entire Canadian production was located in the west for four of the five years — 1984-87. In 1988, about 3000 kg (0.03 % of the total) was produced in Ontario.

Table 1. Percent hard seeds (sample numbers in parenthesis) of alfalfa cultivars grown in Canada

Cultivar	Agricultural region in																	
	Manitoba						Saskatchewan						Alberta					
	EC ¹	SW	IL	CE	EA	NW	NE	EC	SE	SW	WC	NW	SR	NW	PR	SC	NE	NC
1. Acclaim	*	*	*	*	*	*	*	39 (2)	*	*	*	*	*	*	*	*	*	*
2. Admiral	*	*	*	*	*	*	34 (2)	*	*	*	*	*	49 (4)	*	*	*	*	*
3. Advance	*	*	29 (4)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
4. Algonquin	30 (14)	37 (32)	31 (122)	33 (24)	29 (86)	36 (18)	30 (66)	38 (24)	43 (16)	32 (8)	*	35 (8)	32 (98)	52 (8)	41 (14)	*	*	*
5. Anchor	*	*	*	*	*	*	45 (2)	29 (10)	*	*	*	53 (2)	33 (10)	*	*	*	*	*
6. Angus	34 (14)	27 (8)	28 (23)	*	36 (23)	*	28 (50)	23 (44)	*	38 (2)	*	45 (16)	36 (20)	*	*	*	*	*
7. Anik	*	*	*	*	*	*	*	*	*	*	*	*	*	*	69 (16)	*	*	*
8. Apica	*	*	*	*	*	*	*	*	*	*	*	*	48 (44)	*	*	41 (4)	*	*
9. Apollo II	*	*	*	*	*	*	*	*	*	*	*	*	44 (10)	*	*	*	*	*
10. Arrow	*	*	*	*	*	*	*	*	*	*	*	*	51 (6)	*	*	*	*	*
11. Barrier	*	34 (6)	21	*	*	*	*	*	20 (2)	*	*	*	38 (16)	*	*	*	*	*
12. Beaver	*	*	35 (54)	33 (8)	24 (16)	*	29 (188)	32 (44)	26 (6)	*	19 (10)	33 (66)	29 (116)	*	44 (8)	*	39 (4)	*
13. Ceres	*	*	*	*	*	*	35 (2)	*	*	*	*	*	*	*	*	*	*	*
14. Champion	*	*	*	*	*	*	*	*	*	*	*	*	26 (4)	*	*	*	*	*
15. Chimo	*	*	*	*	*	*	*	*	*	*	*	*	10 (2)	*	*	*	*	*
16. Citation	*	*	*	*	*	*	40 (2)	*	*	*	*	*	43 (6)	*	*	*	*	*
17. Drylander	*	*	46 (8)	*	*	*	28 (2)	35 (12)	*	*	*	49 (2)	*	*	*	*	*	*
18. Excalibur	41 (2)	*	37 (4)	*	30 (4)	43 (4)	*	*	*	*	*	*	*	*	*	*	*	*
19. Glory	*	*	*	*	9 (4)	*	*	45 (16)	*	*	*	*	41 (12)	*	*	*	*	*
20. Grimm	*	*	*	*	*	*	*	*	*	*	*	*	21 (2)	*	47 (12)	*	*	*
21. Heinrichs	*	*	*	*	*	*	*	*	*	*	*	*	29 (30)	*	*	*	*	*
22. Iroquois	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	48 (2)	*	*
23. Magnum	*	*	34 (6)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
24. Minto	*	*	*	5 (4)	32 (4)	*	*	50 (20)	*	*	*	*	39 (10)	*	*	*	*	*
25. Noble	*	*	35 (4)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
26. Olinda	*	*	34 (10)	*	*	*	*	9 (2)	*	*	*	*	24 (2)	*	*	*	*	*

Cultivar	Agricultural region in																		
	Manitoba						Saskatchewan						Alberta						
	EC ¹	SW	IL	CE	EA	NW	NE	EC	SE	SW	WC	NW	SR	NW	PR	SC	NE	NC	
27. Pacer	*	*	*	*	*	*	30 (16)	*	*	*	*	*	30 (32)	*	*	*	*	*	
28. Peace	*	*	29 (4)	*	39 (2)	*	30 (16)	*	*	*	*	*	37 (50)	34 (2)	48 (124)	*	*	*	
29. Peak	*	*	*	*	*	*	*	*	*	*	*	*	42 (20)	*	*	*	*	*	
30. Preserve	*	*	26 (6)	*	*	*	*	*	*	*	*	*	17 (2)	*	*	*	*	*	
31. Primal	*	*	5 (2)	*	*	*	*	*	*	*	*	*	51 (18)	*	*	*	*	*	
32. Rambler	*	46 (4)	28 (28)	*	28 (4)	34 (6)	31 (44)	32 (22)	*	33 (50)	*	28 (38)	30 (54)	*	42 (2)	25 (10)	34 (8)	*	
33. Rangelander	*	*	32 (8)	*	*	*	31 (16)	26 (48)	*	*	*	32 (36)	*	*	50 (4)	*	*	*	
34. Roamer	*	*	*	*	*	*	37 (36)	38 (30)	43 (2)	*	68 (2)	39 (6)	*	*	*	*	*	*	
35. Saranac	26 (6)	33 (12)	29 (20)	32 (6)	28 (20)	*	21 (8)	40 (10)	*	*	*	39 (10)	66 (2)	*	*	*	*	*	
36. Spectrum	*	*	*	19 (2)	*	*	34 (2)	*	*	*	*	*	*	*	*	*	*	*	
37. Spredor	*	*	32 (2)	*	*	*	*	*	*	*	*	*	32 (2)	*	*	*	*	*	
38. Spredor 2	*	*	*	*	*	*	*	*	*	*	*	*	2 (2)	*	*	*	*	*	
39. Thor	*	*	38 (2)	*	*	*	*	*	*	*	*	*	24 (44)	*	*	*	*	*	
40. Thunder	*	*	24 (2)	*	*	*	*	*	*	*	*	*	38 (4)	*	*	*	*	*	
41. Titan	*	*	*	*	*	*	*	*	*	*	*	*	30 (6)	*	*	*	*	*	
42. Trek	*	*	41 (20)	*	*	*	*	*	*	*	*	*	39 (34)	*	*	*	*	*	
43. Trumpetor	*	*	38 (2)	*	*	*	*	*	*	*	*	*	25 (22)	*	*	*	*	*	
44. Turbo	*	*	31 (2)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
45. Valor	*	*	*	*	*	*	*	*	*	*	*	*	54 (14)	*	*	*	*	*	
46. Vernal	*	34 (8)	27 (26)	12 (2)	39 (2)	28 (2)	29 (8)	21 (8)	52 (2)	*	*	51 (14)	24 (6)	*	*	*	*	*	
47. Vista	*	*	*	*	*	*	*	*	*	*	*	8 (2)	51 (4)	*	*	*	*	*	
48. WL 222	*	*	28 (4)	24 (4)	7 (2)	*	*	*	*	*	*	*	*	*	*	*	*	*	
49. WL 31	*	*	*	*	*	*	*	*	*	*	*	*	44 (6)	*	*	*	*	*	
50. WL 316	*	*	23 (2)	*	*	*	*	57 (6)	44 (2)	*	*	*	*	*	*	*	*	*	
51. Wrangler	48 (4)	*	33 (10)	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
52. 0524	*	*	*	*	*	*	*	*	*	*	*	46 (6)	*	*	*	*	*	*	
53. 0532	*	*	*	*	*	*	*	45 (4)	*	*	*	*	*	*	*	*	*	*	
54. Non-pedigreed	*	*	22 (20)	10 (8)	15 (8)	*	28 (4)	*	*	*	*	9 (12)	*	*	47 (422)	*	*	59 (2)	

* Sample not grown in region.

¹ EC = East Central; SW = South West; IL = Interlake; CE = Central; EA = Eastern; NW = North West; NE = North East; SE = South East; WC = West Central; SR = Southern Region; PR = Peace Region; SC = South Central; NC = North Central.

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