

BARLEY VARIETY TRIALS

Table 18 - Barley variety trial				
Variety	Avg. yield	Test weight	Heading date	Height inches
Hector	61	48.5	7-15	27.0
Vanguard	45	49.0	7-15	26.5
Steptoe	49	42.0	7-19	23.0
Firibecks III	55	50.0	7-15	28.0
Multum	64	45.5	7-15	26.0
Georgie	61	47.5	7-15	24.5
Nordic	52	48.0	7-15	26.5
Lud	67	47.0	7-15	23.5
Dickson	50	49.5	7-15	27.5
Beacon	51	46.5	7-14	26.0
Conquest	45	49.5	7-14	27.5
Bonanza	44	48.5	7-14	27.0
Manker	47	50.0	7-14	26.5

Karl	49	49.5	7-14	21.5
Klages	51	46.0	7-16	26.0
Shabet	58	46.0	7-16	26.0
RPB 261-70	66	48.5	7-16	26.0
ND231	48	49.5	7-13	27.5
ND718	52	48.0	7-13	26.0
ND759	60	46.5	7-13	27.5
ND1156	50	48.5	7-15	27.5
ND1311	59	48.0	7-15	27.0
Standard error of a treatment mean	2.9			
L.s.d. @ 5%	8.2			
The c.v. = P.C.	10.9			

Table 19 - Long term comparison of barley varieties						
Variety	1971	1972	1973	1974	1975	5-Yr. Avg.
Nordic	33	59	67	39	52	50
Vanguard	41	63	75	48	45	54

Firbeck III			76	52	55	
Steptoe			55	47	49	
Hector				56	61	
Dickson	31	57	64	36	50	48
Beacon	33	46	63	40	51	47
Conquest	35	45	67	44	45	47
Bonanza	39	59	67	43	44	50
Manker				44	47	
Klages				48	51	
Shabet	38	62	73	44	58	
ND231		47	66	38	48	
ND718		48	65	41	52	
ND759			72	37	60	
L.s.d. @ 5%	4.6	9.6	3.1	7.1	8.2	

Table 8. Average yields of alfalfa varieties in the 1973-1975 seasons in the pasture-type alfalfa trial.

Variety	Dry-weight - lbs/acre			3-year average yield
	1973	1974	1975	
Rambler	5617	3931	6163	5237
Roamer	5254	3986	6359	5200
SC-Syn 37025	5186	4076	6232	5165
SC-Syn 3703-L	5391	3851	6148	5130
Ladak	4884	3527	6651	5021
SC -Syn 37045	4966	3635	6428	5010
Teton	4700	3607	6575	4961
Drylander	4991	4015	5775	4927
Travois	4783	3431	6496	4903
Semi-Palatinsk	4254	3718	6279	4750
SC-Syn 3701-L	4930	3395	5688	4671
SC-MF 3713	4024	4102	5516	4547
Average	4915	3773	6193	4960

Table 21 - Barley variety trial - Dickinson and off-station sites								
Variety	Test weight per bushel							
	Dickinson	Beach	Rowman	Glen	Hettinger	Killdeer	Mandan	Avg. 6-

	DICKINSON	Beach	Bowman	Ullin	Hettinger	Kimber	Wahpeton	station
Hector	48.5	50.0	46.5	47.0	46.0	Hailed Out	45.5	47.3
Vanguard	49.0	51.0	48.0	48.0	47.0		47.0	48.3
Steptoe	42.0	45.0	42.5	44.5	41.5		44.0	45.8
Firlbecks III	50.0	50.0	48.0	48.0	47.0		49.5	48.8
Multum	45.5	48.5	45.0	46.5	44.0		44.5	45.7
Georgie	47.5	48.0	46.0	46.0	46.0		46.0	46.6
Nordic	48.0	46.0	42.5	47.0	44.0		46.0	45.6

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