

Seed Yields (lbs/acre) from Frontier reed canarygrass seeded with different companion crops

COMPANION CROP	1969 Seeding						1970 Seeding						1971 Seeding				Bu/A 3 yr ave.	Grass Seed 11- Harvest Average	
	Bu/A 1969	Grass Seed Harvest				TOTAL	Bu/A 1970	Grass Seed Harvest				TOTAL	Bu/A 1971	Grass Seed Harvest					TOTAL
		1st 1970	2nd 1971	3rd 1972	4th 1973			1st 1971	2nd 1972	3rd 1973	4th 1974			1st 1972	2nd 1973	3rd 1974			
Control	-	0	14	11	25	50	-	83	88	29	26	226	-	28	93	58	179	-	41
Wheat	56	0	9	5	16	30	14	0	72	57	42	171	40	8	97	81	186	37	35
Flax	23	0	17	7	15	39	10	0	108	58	35	201	14	12	110	59	181	16	38
Oats	132	0	14	5	12	31	31	1	111	69	35	216	91	6	120	55	181	85	39
Late barley	109	0	20	5	13	38	26	0	84	52	22	158	86	3	80	43	126	74	29
Early barley	81	0	16	5	9	30	19	1	126	56	33	216	69	11	97	44	152	56	36
Rape	37	0	7	5	13	25	25	1	81	47	23	152	40	9	85	50	144	34	29

Seed Yields(lbs/acre) from Sawki Russian wildrye seeded with different companion crops

COMPANION CROP	1969 Seeding						1970 Seeding						1971 Seeding					Bu/A 3 Yr ave.	Grass seed 11- harvest average
	Bu/A 1969	Grass Seed Harvest				TOTAL	Bu/A 1970	Grass Seed Harvest				TOTAL	Bu/A 1971	Grass Seed Harvest			TOTAL		
		1st 1970	2nd 1971	3rd 1972	4th 1973			1st 1971	2nd 1972	3rd 1973	4th 1974			1st 1972	2nd 1973	3rd 1974			
Control	-	96	641	187	53	977	-	304	959	705	254	2222	-	63	793	248	1104	-	391
Wheat	62	0	276	82	45	403	18	0	620	690	229	1539	46	0	236	99	335	42	207
Flax	31	1	406	126	65	598	11	1	681	600	184	1466	26	0	444	99	543	23	237
Oats	145	0	290	50	44	384	36	0	551	659	205	1415	98	0	463	134	597	93	218
Late barley	108	0	391	52	63	506	26	0	201	534	90	825	83	0	293	53	346	72	152
Early barley	84	0	523	67	65	655	24	1	579	759	235	1574	77	1	445	84	530	62	251
Rape	43	1	307	69	45	422	34	0	798	618	297	1713	39	0	432	160	592	39	248

Seed Yields (lbs/acre) from Climax hexaploid timothy seeded with different companion crops

COMPANION CROP	1969 Seeding						1970 Seeding						1971 Seeding				Bu/A 3 yr ave	Grass seed 11- harvest average	
	Bu/A 1969	Grass Seed Harvest					Bu/A 1970	Grass Seed Harvest					Bu/A 1971	Grass Seed Harvest					
		1st 1970	2nd 1971	3rd 1972	4th 1973	TOTAL		1st 1971	2nd 1972	3rd 1973	4th 1974	TOTAL		1st 1972	2nd 1973	3rd 1974			TOTAL
Control	-	52	582	245	134	1013	-	450	357	307	208	1322	-	289	224	265	778	-	283
Wheat	58	55	581	194	139	969	14	216	471	319	217	1223	45	181	255	298	734	39	266
Flax	24	41	582	188	120	931	9	236	431	310	218	1195	21	223	229	225	677	18	255
Oats	132	77	605	175	115	972	34	246	408	281	229	1164	90	188	276	295	759	85	263
Late barley	97	97	665	219	127	1108	26	242	446	267	219	1174	72	156	278	288	722	65	273
Early barley	73	64	574	183	113	954	19	273	415	293	221	1202	67	219	350	305	874	53	275
Rape	40	45	537	197	134	913	29	195	425	303	214	1137	33	169	304	305	778	34	257

Seed yields (lbs/acre) from Fairway crested wheatgrass seeded with different companion crops

COMPANION CROP	Bu/A 1969	1969 Seeding					Bu/A 1970	1970 Seeding					Bu/A 1971	1971 Seeding				Bu/A 3 yr ave.	Grass seed 11- harvest average
		Grass Seed Harvest						Grass Seed Harvest						Grass Seed Harvest					
		1st 1970	2nd 1971	3rd 1972	4th 1973	TOTAL		1st 1971	2nd 1972	3rd 1973	4th 1974	TOTAL		1st 1972	2nd 1973	3rd 1974	TOTAL		
Control	-	364	946	213	181	1704	-	727	678	436	369	2210	-	505	915	422	1842	-	523
Wheat	55	313	1275	239	230	2057	13	149	598	453	245	1445	42	136	637	272	1045	37	413
Flax	26	308	1193	187	250	1938	11	278	621	417	346	1662	19	321	1042	421	1784	19	489
Oats	124	255	1269	306	204	2034	35	273	684	494	354	1805	110	186	801	332	1319	90	469
Late barley	108	179	1014	252	190	1635	31	174	577	371	317	1439	74	76	532	277	885	71	360
Early barley	75	267	1004	217	181	1669	18	201	624	460	374	1659	72	169	757	312	1238	55	415
Rape	36	281	971	250	200	1702	25	264	566	384	365	1579	45	133	744	415	1292	35	416

Seed Yields (lbs/acre) from Chief Intermediate wheatgrass seeded with different companion crops

COMPANION CROP	Bu/A 1969	1969 Seeding					Bu/A 1970	1970 Seeding					Bu/A 1971	1971 Seeding				Bu/A 3 yr ave.	Grass seed 11- harvest average
		Grass Seed Harvest						Grass Seed Harvest						Grass Seed Harvest					
		1st 1970	2nd 1971	3rd 1972	4th 1973	TOTAL		1st 1971	2nd 1972	3rd 1973	4th 1974	TOTAL		1st 1972	2nd 1973	3rd 1974	TOTAL		
Control	-	183	661	9	12	865	-	464	338	129	148	1079	-	645	419	256	1320	-	297
Wheat	55	174	751	7	10	942	17	309	476	148	163	1096	43	117	204	169	490	38	230
Flax	28	230	793	9	10	1042	11	421	397	154	173	1145	18	193	338	230	761	19	268
Oats	135	182	695	6	8	891	33	340	416	129	160	1045	100	156	331	230	717	89	241
Late barley	102	98	656	15	10	779	29	319	430	139	113	1001	72	111	275	170	556	68	212
Early barley	74	125	601	8	10	744	22	336	396	140	142	1014	70	189	332	196	717	55	225
Rape	43	226	606	8	10	850	25	448	490	189	213	1340	35	128	291	228	647	34	258

NORTHERN BROMEGRASS - CARLTON

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	649	441	558	352	2000	644	341	627	198	1810	476
40	748	454	407	340	1949	498	421	482	160	1561	439
60	679	557	393	382	2011	363	437	504	165	1469	435
80	634	392	312	289	1627	284	405	373	133	1195	353
100	555	458	303	284	1600	83	305	290	103	781	298

SOUTHERN BROMEGRASS - RED PATCH

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	275	175	250	355	1055	192	341	531	102	1166	278
40	486	191	247	264	1188	347	411	363	146	1267	307
60	452	308	263	294	1317	126	448	397	135	1106	303
80	439	312	203	186	1140	115	308	225	116	764	238
100	375	279	249	215	1118	106	342	321	155	924	255

CHEWINGS FESCUE - OASIS

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	129	156	17	1	303	65	116	94	10	285	74
40	105	92	8	1	206	46	135	79	20	280	61
60	46	55	10	1	112	44	74	97	10	225	42
80	54	45	7	1	107	35	67	46	10	158	33
100	53	44	9	1	107	16	51	72	10	149	32

CREEPING RED FESCUE - BOREAL

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	1340	521	102	20	1983	695	459	283	121	1558	443
40	1060	441	108	20	1629	379	691	336	62	1468	387
60	854	483	138	39	1514	361	589	396	54	1400	364
80	695	371	64	10	1140	225	473	198	46	942	260
100	629	321	57	12	1019	286	378	256	33	953	247

MEADOW FESCUE - MIMER

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	1101	739	413	77	2330	1111	413	520	3	2047	547
40	1019	805	271	56	2151	871	347	298	3	1519	459
60	1014	600	89	53	1756	664	348	252	1	1265	378
80	759	482	90	49	1380	593	255	113	1	962	293
100	717	361	76	49	1203	515	223	157	1	896	262

MEADOW FOXTAIL - OREGON

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20						622	124	387	74	1207	302
40						424	303	241	78	1046	262
60						324	338	292	50	1004	251
80						255	232	133	38	658	165
100						188	269	257	47	761	190

REED CANARYGRASS - FRONTIER

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	153	203	14	9	379	110	30	30	52	222	75
40	225	105	7	5	342	56	27	10	20	113	57
60	254	147	8	9	418	37	36	16	26	115	67
80	227	103	13	14	357	48	37	14	37	136	62
100	191	130	20	14	355	52	48	16	28	144	62

RUSSIAN WILDRYE - SAWKI

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	101	123	0	9	233	9	151	238	7	405	80
40	71	218	10	22	321	3	194	150	10	357	85
60	43	305	40	29	417	1	151	194	11	357	97
80	41	279	85	31	436	0	81	95	5	181	77
100	35	215	61	40	351	0	87	96	1	184	67

HEXAPLOID TIMOTHY - CLIMAX

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	527	445	204	212	1388	493	308	336	294	1431	352
40	661	469	225	214	1569	468	344	282	286	1380	369
60	574	408	237	246	1465	430	358	318	176	1282	343
80	451	360	183	153	1147	407	260	185	161	1013	270
100	424	297	142	105	968	337	222	198	219	976	243

NODOSUM TIMOTHY - S.50

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	486	298	44	58	886	264	47	103	0	414	163
40	401	266	43	32	742	85	56	51	0	192	117
60	324	208	40	32	604	75	36	38	0	149	94
80	170	141	33	32	376	65	27	15	0	107	60
100	139	114	24	19	296	36	15	27	0	78	47

CRESTED WHEATGRASS - FAIRWAY

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	882	467	278	22	1649	711	699	261	85	1756	426
40	739	468	277	37	1521	789	733	199	70	1791	414
60	589	455	252	68	1364	545	804	255	62	1666	379
80	494	420	229	65	1208	548	703	164	49	1464	334
100	466	425	353	45	1289	450	737	277	72	1536	353

INTERMEDIATE WHEATGRASS - CHIEF

Row Spacing (cm)	1972 Seeding					1973 Seeding					8-Harvest Average
	1973	1974	1975	1976	TOTAL	1974	1975	1976	1977	TOTAL	
20	755	398	182	110	1445	709	479	498	160	1846	411
40	625	510	163	116	1414	629	524	340	87	1580	374
60	753	511	200	158	1622	671	518	430	111	1730	419
80	695	503	153	111	1462	508	451	366	136	1461	365
100	569	402	142	85	1198	447	356	364	162	1329	316