2005 FORAGE GUIDE



VARIETY & MIXTURE SELECTION



Agriculture, Fisheries and Aquaculture Agriculture, Pêches et Aquaculture

RECOMMENDED FORAGE LEGUMES

	Reaction to*	Yield (% of	Winter	Seed Supplier
ALFALFA	Verticillium Wilt	AC Caribou)	Hardiness	Listing #
AC Brador	HR	100%	Very Good	4
AC Caribou	R	100	Very Good	4
AC Viva	HR	96	Good	4
Abby	R	100	Very Good	11
Algonquin	S	100	Very Good	Public
Apica	S	103	Very Good	4
Arrow	R	98	Good	12
Centurion	R	97	Good	4
OAC Minto	S	100	Good	1, 2
Oneida VR	HR	97	Good	14
Ultra	R	98	Good	4, 7
53Q60	R	100	Very Good	13

YIELD OF AC CARIBOU IN ATLANTIC TRIALS WAS 8.22 t/ha

*HR=Highly Resistant (more than 50% resistant plants), R=Resistant (31-50% resistant plants), MR=Moderately Resistant (15-30% resistant plants), S=Susceptible (less than 15% resistant plants).

RED	Approximate	Yield %	of Marino	Winter	Seed Supplier
CLOVER	Flowering Date	(1st Year)	(2 nd Year)	Hardiness	Listing #
AC Christie	June 16	103	92	Very Good	1,4
AC Endure	June 20	104	100	Very Good	4
Dolina	June 23	113	96	Very Good	4, 16
Kvarta	June 23	99	109	Very Good	10
Marino	June 23	100	100	Good	Public
Tempus	June 23	112	116	Very Good	12
AC Charlie	June 25	103	97	Very Good	1

YIELD OF MARINO 1st YEAR AFTER SEEDING 8.7 t/ha; 2nd YEAR AFTER SEEDING 7.0 t/ha

BIRDSFOOT	Approximate	Yield	Winter	Seed Supplier
TREFOIL	Flowering Date	(% of Leo)	Hardiness	Listing #
AC Langille	June 25	109	Very Good	4
Upstart	June 25	104	Good	10
Bull	June 25	103	Very Good	12
Léo	June 25	100	Good	Public
	YIELD OF LEC	IN ATLANTIC TRIALS	WAS 6.45 t/ha	
WHITE	Approximate		Winter	Seed Supplier
CLOVER	Flowering Date	Regrowth	Hardiness	Listing #
Milkanova	June 26	Excellent	Very Good	4,10
California (Ladino)	June 26	Good	Good	Public
Sonja	June 26	Excellent	Very Good	1, 4, 6,10

RECOMMENDED FORAGE GRASSES

REED		Yield	Seed Supplier
CANARYGRASS	Maturity	(% of Palaton)	Listing #
Palaton	Very Early	100	4,6,15
Venture	Very Early	101	1,4,14,15,17
	VIELD OF PALATON	IN ATLANTIC TRIALS WAS 9.4 f	/ha

RECOMMENDED FORAGE GRASSES

	Heading	YIELD (%	YIELD (% of Champ)		
TIMOTHY	Date*	Cut 1	Cut 2	Listing #	
Richmond	June 25	105	100	10, 12	
Champ	June 27	100	100	Public	
AC Alliance	June 28	104	94	10	
Colt	June 30	106	96	18	
Apex	July 1	108	82	1	
Climax	July 1	107	78	Public	
Itasca	July 4	109	105	4	
Drummond	July 8	110	67	4, 10	
Farol	July 10	103	67	1, 4, 6,10	

YIELD OF CHAMP IN ATLANTIC TRIALS WAS 6.45 t/ha (1st cut) and 2.63 t/ha (2nd cut).* Average of 4 Maritime sites.

GRAZING	Heading	YIELD (% of Farol)		Seed Supplier
TIMOTHY	Date*	Cut 1	Cut 2	Listing #
Comtal	July 10	101	96	12

YIELD OF FAROL IN ATLANTIC TRIALS WAS 6.64 t/ha (1st cut) and 1.76 t/ha (2nd cut) * Average of 4 Maritime sites.

GRAZING	Approx.	Tolerance to		Seed Supplier
KENTUCKY	Maturity	Variable	Yield	Listing #
BLUEGRASS	Rating	Drainage	(% of Lato)	
Lato	Early	Good	100	12

YIELD OF LATO IN ATLANTIC TRIALS WAS 7.2 t/ha

BROMEGRASS	Approximate Maturity Rating	Tolerance to Variable Drainage	Regrowth Vigor*	Yield (% of Radisson)	Seed Supplier Listing #
SMOOTH	•				
Bravo	Early	Good	1.7	105	10, 12
Radisson	Early	Good	2.0	100	4
Rebound	Early - Medium	Good	2.0	100	19
MEADOW					
Paddock	Very Early	Moderate	4.3	104	4, 12
*Regrowth Vigor = inc	dex of forage regrowth ((1=lowest: 5=highest)	YIELD OF RAI	DISSON IN TRIALS V	WAS 7.5 t/ha

	Approximate	Tolerance to	Yield	Seed Supplier	
ORCHARDGRASS	Maturity Rating	Variable Drainage	(% of Kay)	Listing #	
AC Nordic	Medium	Fair	98	1, 2, 4, 17	
Arctic	Medium - Late	Fair	99	4, 6, 14	
Dactus	Early	Fair	101	3	
Kay	Early	Fair	100	4, 6, 10	
YIELD OF KAY IN ATLANTIC TRIALS WAS 8.4 t/ha					

MEADOW FESCUE			Yield (% of Mimer)	
Bartura	Early	Good	102	1
Epic	Early - Medium	Good	103	1, 2, 4, 17
Mimer	Early - Medium	Good	100	4, 6, 10,14
Sigmund	Early - Medium	Good	103	15
YIELD OF MIMER IN ATLANTIC TRIALS WAS 8.5 t/ha				

PERENNIAL RYEGRASS		Yield (% of Bastion)			
Bastion	Medium - Late	Fair	100	1,4, 6, 10	
YIELD OF BASTION IN ATLANTIC TRIALS WAS 7.5 t/ha					

TALL FESCUE	Approximate	Tolerance to	Tillering	Yield	Seed Supplier
HYBRIDS	Maturity Rating	Variable Drainage	index*	(% of Johnstone)	Listing #
Courtenay	Medium	Good	2.5	110	4, 6, 14
Festorina	Medium	Good	4.5	102	3, 4, 6, 10
Johnstone	Early - Medium	Good	3.8	100	1, 3, 14, 17

^{*} Tillering Index -= amount of tillering potential or leafiness (1 = least; 5 = most) JOHNSTONE YIELD WAS 8.7 t/h

ANNUAL		Yield	Seed Supplier
RYEGRASS	Type	(% of Lemtal)	Listing #
Ajax	Tetraploid Italian	108	10, 12
Aubade	Tetraploid Westerwolds	114	1, 4, 6, 8, 15, 17
Barextra	Tetraploid Italian	104	1
Barmultra	Tetraploid Italian	102	1
Barspectra	Tetraploid Westerwolds	104	1
Bartolini	Diploid Italian	99	1
Brocar	Tetraploid Italian	109	19
Fabio	Diploid Italian	114	4, 11
Lemtal	Diploid Italiane	100	1, 4, 6, 17
Maris Ledger	Tetraploid Italian	104	4, 6, 10
Max	Tetraploid Italian	110	12
Sabroso	Tetraploid Westerwolds	115	1
SW Botrus	Tetraploid Westerwolds	110	9
	1	ANTIC TRIALS WAS 6.75 t/h	a

ΛTI	ANTIC	SEED	CLIDDI	IFRS

	AIL	ANTIC SEED SUIT LIERS		
Listing #	COMPANY	Contact	Phone #	Fax #
1	Bishop Seeds	Matt Taylor	1 800 411-2062	613 968-8617
2	Brett-Young	Wayne Unger	204 261-7932	204 275-7333
3	Canco Enterprises	Alfred Batke	604 556-7292	604 556-7292
4	Co-op Atlantique	Rafael Gonzalez	506 858-6356	506 858-6470
6	Halifax Seed Co.	Tim Tregunno	902 455-4364	902 455-5271
7	Hyland Seeds	Ivan Warriner	519 676-8146	519 676-5674
8	Labon Inc.	Sébastien Labonté	450 641-1050	450 641-4979
9	McCardle Bros.	Leonard McCardle	902 887-2338	902 887-3132
10	Mapleseed	Larry Gilman	1 800 461-7645	705 324-1803
11	Parsons Seeds Ltd.	Robert Thom	905 729-2202	905 729-2623
12	Pickseed Canada Inc.	Paul Wight	1 800 661-4769	705 878-9249
13	Pioneer Hi-Bred Ltd.	Jim Lamb	902 538-3623	902 538-8284
14	Quality Seeds Ltd.	Ari Ekstein	1 877 856-7333	905 856-7509
15	Seed Link	Peter Bonis	705 324-0544	705 324-2550
16	Semican	Jacques Beauchesne	819 362-8823	819-362-3385
17	Speare Seeds	Bob Dippel	519 338-3840	519 338-2510
18	Syngenta Seeds Can. Inc.	Denis Naud	1-800 756-7333	1-888-717-7122
19	Westend Seeds Ltd.	Max VanCingel	506-455-9000	506-455-9000
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FORAGE MIXTURES TO CONSIDER FOR YOUR FARM

Recommended Perennial Pasture Mixtures

These mixtures are designed with careful consideration to the specific attributes of each species. Close attention must be paid to fertility levels, stocking rates, rotational grazing practices and fall cutting management, if the following mixtures are to remain productive.

A. Moderately Well Drained to Variable Soils

Mixture	Rate	Comments
10% White Clover	22 kg/ha	Good dual purpose mixture for early cut silage and rotational grazing. Meadow
30% Orchardgrass		fescue helps give a better bottom to the pasture, producing a tighter sod more
60% Meadow Fescue		60% more resistant to poaching (punching).
10% White Clover40% Orchardgrass50% Perennial Ryegrass	22 kg/ha	Palatable mixture, but must be managed well, if under utilized will become stemmy. Both perennial ryegrass and orchardgrass lack winter hardiness, plant only where appropriate.
10% White Clover 30% Timothy 60% Meadow Fescue	20 kg/ha	Timothy, though less productive than orchardgrass, is more winter hardy, especially on imperfectly drained soils. Some timothy cultivars are more productive under grazing trials than others (e.g. Comtal timothy).

Recommended Haylage Mixtures

65% Birdsfoot Trefoil

35% Timothy

12 kg/ha

A. Loamy Soils with good surface and internal drainage

Mixture	Rate	Comments
80% Alfalfa	15 kg/ha	This high yielding, high quality mixture is suited to well drained soils with a minimum pH of
20% Timothy		6. Having a grass in the mix improves dry down and reduces frost heaving.
60% Alfalfa	17 kg/ha	Orchardgrass is less compatible with alfalfa than timothy, but has superior regrowth
40% Orchardgrass		and is better suited to a three cut system. Harvest early to maximize quality.
55% Alfalfa	20 kg/ha	This mixture should be used on well drained fields and with an early alfalfa.
45% Bromegrass		Bromegrass is very compatible with alfalfa. Timothy works well with this mixture.
B. Variable to Imperfed	ctly Drained S	Soils – Heavy Soils Mixtures
Mixture	Rate	Comments
30% Alfalfa	18 kg/ha	Use on fields containing soils with variable drainage, e.g. formed dykeland. This mixture does
40% Bromegrass 30% Timothy		well in an aggressive 2-3 cut system, starting with an early June harvest.
60% Red Clover	12 kg/ha	Best suited for short rotations. Contains a high percentage of red clover in the first two
40% Timothy		production years as the red clover thins out, both yield and quality decline.
30% Red Clover	20 kg/ha	The addition of ladino clover and meadow fescue improves the reliability and the longevity of
10% Ladino Clover	<i>U</i>	this mixture, but can become too competitive on timothy.
40% Timothy		,
20% Meadow Fescue Recommended Hay A. Moderate to Well Di Mixture	rained Soils	Comments
Recommended Hay A. Moderate to Well Di Mixture 65% Alfalfa		Comments Although alfalfa is not as difficult to wilt as red clover, a hay drier will allow baling at 35% a higher moisture improving leaf retention.
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Suggested changes for the 2006 Forage Guide should be sent to the Editor, Forage Guide, AgraPoint, 10 Webster St., Mailbox 204, Kentville, N.S. B4N lH7 by July 1st, 2005. Forage Guide recommendations are a result of cultivar evaluation trials and research done in the Atlantic Region. Contributions were made by Crops & Livestock Research Center, Agric. & Agri-Food Canada (Charlottetown) plus N.S.A.C., AgraPoint, SCIANS (NS Soil & Crop), N.B.D.A.F.A., P.E.I.D.A. & F. and N.B. Soil & Crop Improvement Association.

Trefoil is difficult to get established properly. Trefoil can handle lower fertility situations ,but

needs 50% bloom before harvest. Trefoil will not persist under frequent cutting.