

PERFORMANCE TRIALS



ALFALFA

Vision Alfalfa

108% Forage yield advantage and 112% Milk yield advantage against those same references. This stand-out variety has the combination of features that the alfalfa of the future should have. Forage yield and persistence are outstanding while maintaining improved forage quality. Regrowth and disease resistance are excellent.



Vision ALFALFA YIELD (KG/HA) SUMMARY 2009

Location	Harvest	Vision	54Q25	54V46	Genoa	HybriForce 400	PS2065MF
Average All Sites		14,989	14,039	14,478	14,584	14,180	14,690
%Check		108	100	104	105	101	105
Average East		14,409	13,196	13,257	13,900	12,960	13,970
%Check		112	103	103	108	101	109
Lindsay, ON	2006-08	13,276	11,940	12,188	13,444	11,678	12,927
%Check		108	97	99	109	95	105
Welcome, ON	2006-08	15,466	14,053	14,293	14,962	13,871	14,596
%Check		116	104	106	112	103	108
Tavistock, ON	2006-07	16,896	15,843	15,534	15,515	15,712	16,854
%Check		108	100	99	100	100	108
Portage, MB	2006-08	19,012	16,252	18,773	17,867	18,051	17,278
%Check		120	101	118	113	112	107
Brooks, AB	2006-08	17,069	17,776	17,454	17,502	17,513	17,718
%Check		98	101	99	99	99	100
Josephburg, AB	2006-08	11,298	11,030	11,264	10,612	11,112	11,754
%Check		102	100	102	96	100	106

Check: Magnum IV, Starbuck (Algonquin in Western trials)

FORAGE FACT:

Outstanding new alfalfa varieties such as Vision and Leader have the yield and regrowth we used to associate with a late fall dormancy, but with the winter survival we used to associate with an early fall dormancy. Breeding efforts focused specifically on improving persistence have resulted in breaking down the correlation between fall dormancy and persistence. The result is higher yield potential and regrowth with excellent persistence.

PERFORMANCE TRIALS

ALFALFA

Leader Alfalfa

Leader outperforms all across the country. It is a leader for yield, persistence, forage quality, disease resistance, regrowth and multifoliolate leaf expression.

Superior Winter Survival and Superior persistence

Leader COMPARATIVE AGRONOMIC DATA:

	FD	WH	PI
Leader	3.4	1.3	9.1

FD: fall dormancy - 1 (most dormant) - 9 (non dormant); PI: persistence index - 1 (least) - 9 (most); WH: winter survival rating - 1 (best) - 6 (worst)

Leader CANADA YIELD (KG/HA) SUMMARY

Site	Seed	Harvest	Leader	%chk	Magnum IV	5312	54V54
Lindsay, ON	02	06	15,486	120	12,471	13,269	13,312
Lindsay, ON	02	05	15,912	114	13,689	14,167	14,599
Nisku, AB	02	05	17,370	104	16,619	16,805	16,406
Lindsay, ON	02	04	21,092	115	17,943	18,816	19,473
Welcome, ON	02	04	19,906	107	18,109	18,932	16,367
Portage, MB	02	04	15,608	98	15,907	15,959	15,637
Nisku, AB	02	04	12,236	100	12,044	12,419	12,124
Lindsay, ON	02	03	10,381	108	9,432	9,722	9,827
Welcome, ON	02	03	13,751	111	12,041	12,794	12,771
St-Hyacinthe, QC	02	03	12,416	103	12,021	12,027	11,943
Portage, MB	02	03	11,237	109	10,039	10,633	11,404
Nisku, AB	02	03	20,121	107	18,016	19,482	18,696
Chk: Magnum IV, 5312 Average			15,460	108	14,028	14,585	14,380
Average Persistence			16,801	108	15,255	15,767	15,417

Steak alfalfa (Bred for Beef)

With Steak alfalfa, you get more beef/acre, more harvest flexibility and more stand life. Canada's beef producers can now benefit from greater beef profits by growing Steak alfalfa - alfalfa that's bred for beef, and designed for profits. This multifoliolate has proven to have lower fibre content (lower NDF) and better fibre digestibility (higher NDFD).

STEAK ALFALFA

Location	Seeding	Harvest	Steak	Checks	%Checks	Trial Mean	%Trial Mean	Beaver	%Beaver	54V46	%54V46
Lethbridge	03	04	11,200	10,489	107%	10,862	103%	11,348	99%	10,281	109%
Lethbridge	03	05	11,561	9,888	117%	10,871	106%	10,280	112%	10,509	110%
Vegreville	03	04	6,891	6,578	105%	6,421	107%	5,839	118%	5,901	117%
Vegreville	03	05	4,302	4,535	95%	4,483	96%	4,137	104%	4,607	93%
St. Paul	04	05	9,559	8,358	114%	8,452	113%	8,428	113%	8,254	116%
Westlock	03	04	7,318	8,988	81%	8,540	86%	8,526	86%	7,154	102%
Westlock	03	05	4,951	4,768	104%	4,846	102%	4,795	103%	4,697	105%
Brooks (Irr)	03	04	15,822	16,893	94%	16,774	94%	17,104	93%	15,675	101%
Brooks (Irr)	03	05	14,703	13,077	112%	14,008	105%	13,018	113%	13,731	107%
Lethbridge (Irr.)	03	04	13,775	13,550	102%	13,729	100%	13,994	98%	12,850	107%
Lethbridge (Irr.)	03	05	11,925	10,184	117%	10,870	110%	10,558	113%	11,688	102%
Average			10,182	9,755	104%	9,987	102%	9,821	105%	9,577	106%

Chk: Beaver, AC Blue J, Rambler, Rangelander

PERFORMANCE TRIALS

PICKSEED 2065MF Alfalfa

Reliable yield, persistence, regrowth, quality and disease resistance are the strong point for 2065MF.

We have 128 station-years of data from Canada. The data set is too large to publish here, but is available on request. There is probably more yield data on PS2065MF than any other proprietary alfalfa available.

FORAGE FACT:

Fall dormancy is just a measure of the height of growth produced in the fall. It reflects the degree of dormancy of the variety, but dormancy is only a small part of what gives a variety the ability to survive our winters.

Forage Quality: Forage Quality is great: RFV is 105.4% of Saranac. PS2065MF has a very high expression of multifoliolate leaves.

Disease Resistance: PS2065MF has a University of Wisconsin DRI (Disease Resistance Index) of 29 (out of a possible 30 points).

Regrowth: Score for 2065MF is much higher than compared varieties. The persistence is better and the uniformity score is higher. Uniformity of growth in the plots is an indicator of persistence and undamaged plants. Ratings are on a 1-5 scale where 5 is the best.

PICKSEED 2065MF FORAGE QUALITY

	CP	ADF	NDF	RFV	%chk	NSC	ADL
PS2065MF	22.1	28.3	40.8	142.2	105.4	29.1	7.8
Forerunner	22.0	28.7	42.1	137.5	101.9	27.9	8.0
PS8920MF	22.4	27.9	41.8	140.9	104.5	27.8	7.8
5454	20.6	31.6	43.4	132.6	98.3	26.0	8.4
5312	21.5	29.4	42.4	135.9	100.7	28.1	8.0

*chk: Saranac CP: crude protein; ADF: acid detergent fibre; NDF: neutral detergent fibre; RFV: relative feed value; NSC: non-structural carbohydrate; ADL: acid digestible lignin

PICKSEED 2065MF

HEAD-TO-HEAD WITH 5312 (43 STATION-YEARS)

	#	Forage Yield			Milk		
		kg/ha	%chk	chk	kg/ha	%chk	chk
Average	43	12,765	108	11,836	13,378	114	11,728
Yr 1	18	11,272	107	10,503	11,814	114	10,407
Yr 2	11	14,899	105	14,150	15,615	111	14,020
Yr 3 & 4	14	12,405	111	11,170	13,002	117	11,086

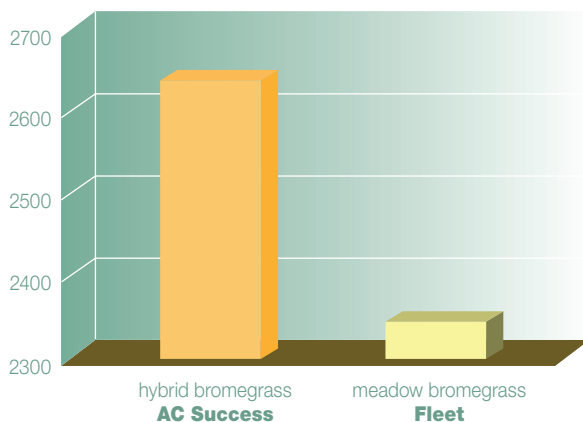
ON: Hickson, Lindsay, Welcome, QC: Lennoxville, La Visitation, St-Hyacinthe, St-Casimir, Plessisville
Seedings from 1996 to 2004, Harvests from 1997-2005

BROMEGRASS

AC® Success Hybrid Bromegrass

This hybrid bromegrass looks more like smooth bromegrass than meadow bromegrass and has the potential for higher yield and better regrowth than either. Farmers will also benefit from the excellent forage quality - higher in protein and improved digestibility.

AC Success Forage Yield (kg/ha, 2000-02)



FORAGE QUALITY

