2005 CORN GUIDE
TO
HYBRID SELECTION FOR THE MARITIMES

New Nouveau Brunswick CANADA
Agriculture, Fisheries and Aquaculture | Agriculture, Pêches et Aquaculture

2005 RECOMMENDED CORN HYBRIDS FOR GRAIN PRODUCTION

Production Zones	Hybrid Identity	New hybrid	Special Traits	Yield 15.5 % Moisture (t/ha)	Grain Moisture Content (%)	Stalk Break-age (%)	Seed Emerge (%)	# Sites X years Tested
1+2+3	39P78 (PIONEER)		Bt	6.2	28.0	2	86	11
1+2+3	39W54 (PIONEER)			7.1	28.2	6	88	22
1+2+3	G-4017(CO-OP)			6.3	28.7	12	89	88
1+2+3	MZ130 (MAIZEX)	**		7.0	29.1	7	96	7
1+2	39T68 (PIONEER)			6.9	30.6	6	89	29
1+2	N03-D8 (CO-OP)		LL/Bt	7.1	30.8	2	91	14
1+2	DKC 26-75 (MONSANTO)			6.7	30.8	10	92	22
1+2	39T71 (PIONEER)		LL	7.1	30.8	5	90	14
1+2	39M27 (PIONEER)		Bt	7.9	31.2	2	90	25
1+2	SILEX Bt (PICKSEED)	**	Bt	8.6	31.8	4	85	7
1+2	HL 2093 (HYLAND)			7.1	32.2	5	89	18
1+2	2365RR (PICKSEED)	**	RR	7.3	32.9	4	94	7
1	DKC 27-15 (MONSANTO)		RR/Bt	7.8	33.0	1	91	11
1	39T70 (PIONEER)	**	LL/Bt	7.8	33.1	1	84	7
1	HL 2222 (HYLAND)			7.2	33.3	6	92	14
1	50P20 LL (CO-OP)		LL/Bt	7.9	33.6	1	86	14
1	N09-A5 (CO-OP)		LL/Bt	7.7	34.0	1	88	14

Special Traits: Bt = European Corn Borer protection; LL = Liberty Link hybrid; RR= Roundup Ready Hybrid

2005 RECOMMENDED CORN HYBRIDS FOR SILAGE PRODUCTION

Production Zones	Hybrid Identity	New hybrid	Special Traits	Total Whole - Plant Yield (t/ha)	Whole Plant Dry Matter Content (%)	% of Stalk Broken at Harvest	Seed Emerge (%)	# Sites X years Tested
1+2+3	39M27 (PIONEER)		Bt	13.2	36.5	2	91	17
1+2+3	HL S009 (HYLAND)		XL	14.3	35.1	11	91	11
1+2+3	HL S014 (HYLAND)		XL	14.4	35.0	11	91	15
1+2	LF 763 Bt (MAIZEX)		XL/Bt	17.0	34.8	5	94	6
1+2	45T18 (CO-OP)			12.5	34.8	6	-	9
1+2	DKC 27-15 (MONSANTO)		RR/Bt	14.3	34.6	4	-	9
1+2	39W54 (PIONEER)			13.6	34.5	6	88	17
1+2	39R62 (PIONEER)			13.6	34.0	3	87	11
1+2	39T70 (PIONEER)	**	LL/Bt	14.7	34.0	5	-	6
1	39T71 (PIONEER)		LL	13.2	33.6	4	88	11
1	46T06 (CO-OP)	**	Bt	14.9	33.6	5	90	6
1	G-4015 ELITE (CO-OP)			13.7	33.5	10	87	27
1	HL S011(HYLAND)		XL	14.7	33.1	7	-	9
1	G-4066 (CO-OP)			13.5	32.8	11	89	19
1	39D82 (PIONEER)		Bt	14.3	32.0	3	90	9

Special Traits: Bt=Corn Borer protection; LL=Liberty Link hybrid; RR=Roundup Ready Hybrid: XL=Extra Leafy hybrid

Data are averages for all Atlantic trials with the table values (above) indicating a hybrid's performance when grown in ZONE 2. To estimate the SILAGE hybrid's performance in ZONE 1, add 0.4 t/ha to the yield, and subtract 1.0 % to the at-harvest whole plant dry matter content. For ZONE 3, subtract 3.6 t/ha from the yield, and subtract 3.2 % from the at-harvest whole plant dry matter content.

To estimate a GRAIN hybrid's performance in ZONE 1, add 0.7 t/ha to the yield, and subtract 4.3 % from the at-harvest grain moisture content. For performance in ZONE 3, subtract 0.9 t/ha from the yield, and add 4.4 % to the moisture content.

COMPANIES WITH HYBRIDS IN TRIALS

SUPPLIER	ADDRESS	PHONE/FAX
Co-op Atlantic (Rafael Gonzalez)	Box 750, Moncton N.B. E1C 8N5	506-858-6356 506-858-6470
Hyland Seeds (Ivan Warriner)	Box 130, Blenheim Ontario. NOP 1AO	1-800-265-7403 519-676-5674
Maizex Seeds Inc. (Marty Vermey)	RR 2 Tilbury Ontario NOP 2LO	519-682-1720 519-682-2144
Monsanto Canada (Jamie Rickard)	150 Res. Park Lane Suite 307,Guelph Ontario, N1G 4T2	1-800-567-8068 519-352-6259
Pickseed Canada (Jay Hackney)	Box 304 1Greenfield Rd. Lindsay,Ont. K9V4S3	1-800-661-4769 705-878-9247
Pioneer Hi-Bred Ltd. (Tim Welbanks)	Box 730, Chatham Ontario N7M 5L1	1-800-265-9435 519-436-6753

Factsheet prepared by Maritime Corn Testing Committee. Suggested changes for the 2006 Corn Guide should be sent to the Editor, Corn Guide, AgraPoint, 92 Webster St., Kentville, N.S. B4N1H9 by October 1st, 2005. The 2005 Corn Guide can be found on the web at:
www.gnb.ca/0316/03160001-e.asp or www.agrapoint.ca

ZONE DESIGNATIONS FOR MARITIME CORN PRODUCTION

The Maritime Provinces have been divided into 4 zones for corn production (see map below). The zone designations indicate the general potential of an area for corn production. Within any Production Zone, small pockets with better or poorer corn potential may occur due to topography, soil types, drainage, frost potential, etc... The ultimate test is to evaluate corn production and new hybrids on a small scale at your location prior to attempting any major production.

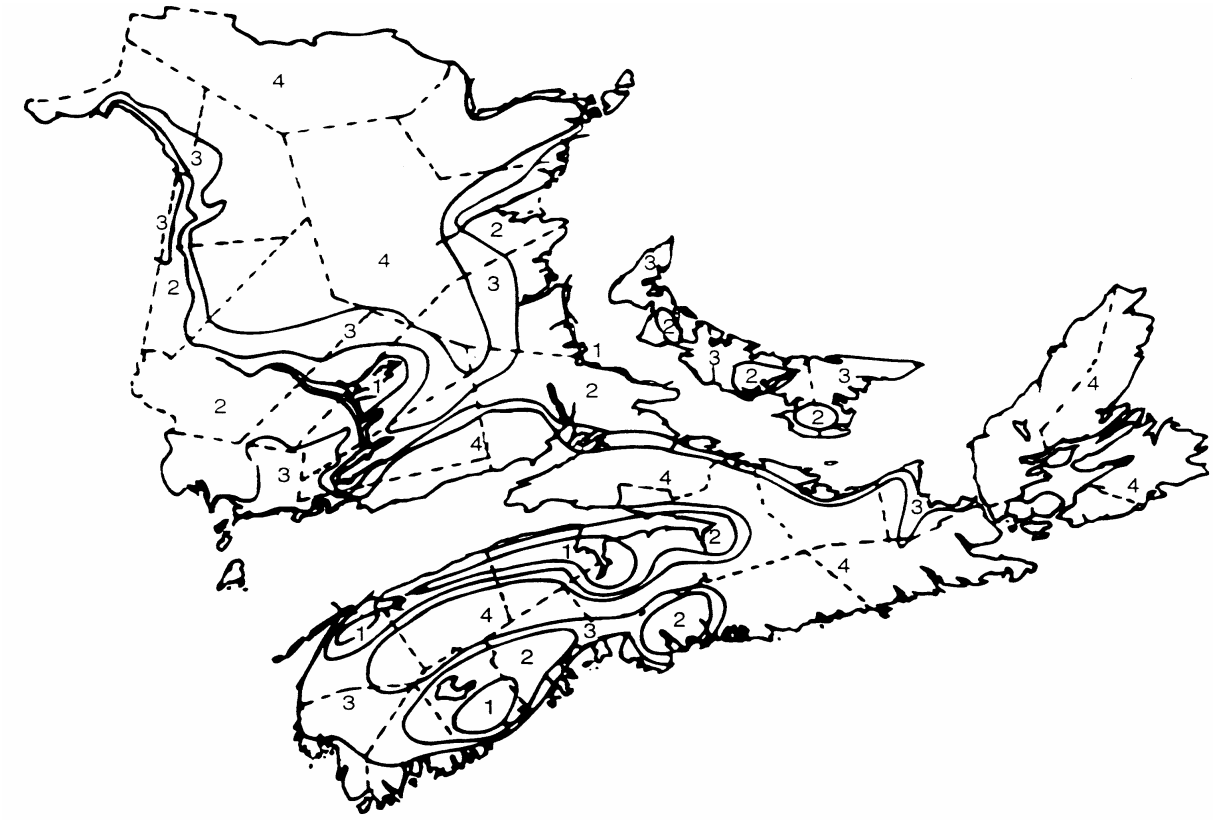
ZONE 1: (Over 2400 CHU's) Greatest potential for corn production as either silage or high moisture grain exists in this zone. Soil variations should be considered when selecting corn hybrids.

ZONE 2: (2200-2400 CHU's) Early hybrids are required for good silage maturity. The earliest grain hybrids will produce acceptable high moisture ear or grain corn.

ZONE 3: (2100-2200 CHU's) Only the earliest hybrids will produce acceptable silage on this zone. High moisture grain corn is quite risky.

ZONE 4: (Less than 2100 CHU's) Corn production is very risky and corn will usually freeze before becoming sufficiently mature for acceptable silage.

CORN PRODUCTION ZONES



Corn testing contributions were made by AAFC (Charlottetown), NSAC, AgraPoint, SCIANS, NBDAFA, & NBSCIA