Special Crops

Variety Description Key

A "CHECK CHARACTERISTICS" box has been placed at the bottom of each table to display the long term yield, number of site years and any other check attributes information.

Except for the long term average yield, variety description information for buckwheat was obtained from the variety registration trials.

Site Years Tested is the cumulative number of locations over the years that a variety has been tested against the check. The more site years the more dependable the data.

Indicates a variety that is protected by Plant Breeder's Rights legislation that complies with UPOV 1978.

⊕ Indicates a variety that is protected by, or has been applied for and is pending, Plant Breeder's Rights legislation that complies with UPOV 1991.

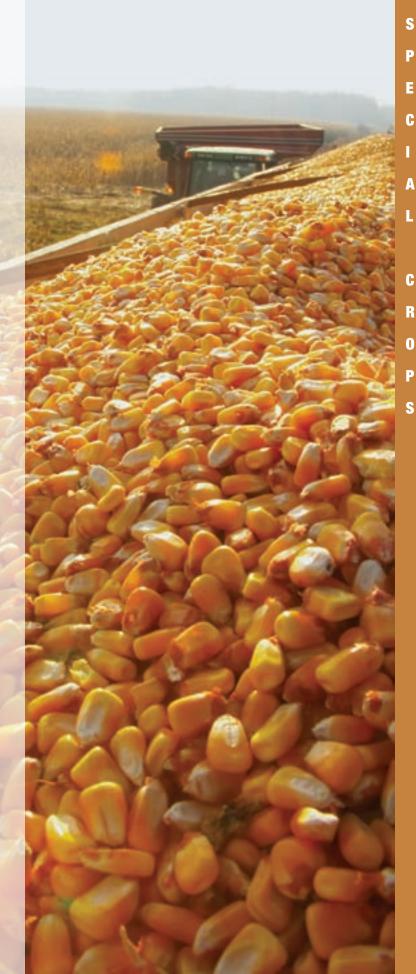
Key to 2016 Yield Tables

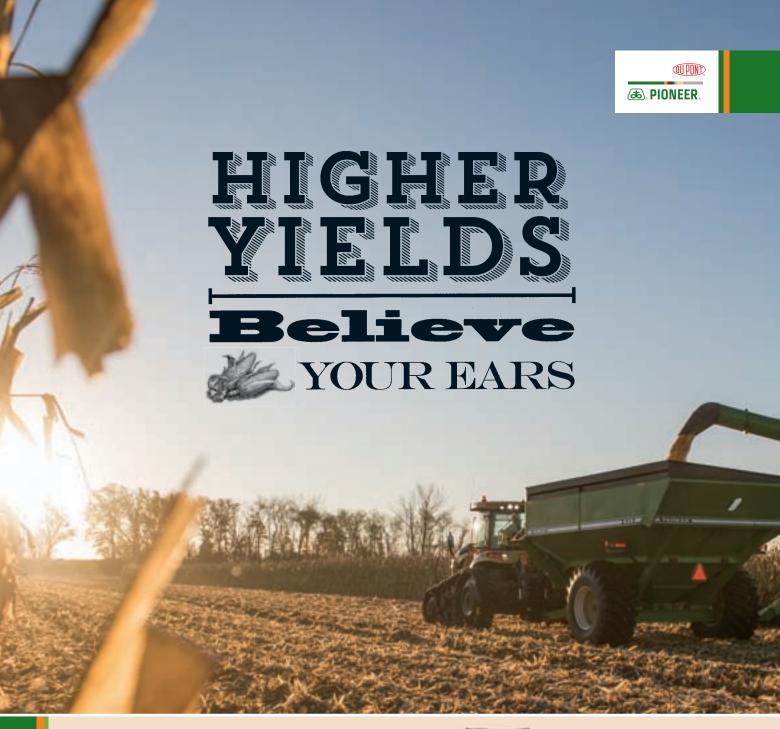
Yields derived over two or more growing seasons are the best indicator of variety performance. For new varieties, "2016 Average Yield" over all sites is more reliable than data from a single location. Use single site year data with caution.

CV% = Coefficient of Variation. A measure of random variation in a trial. A low CV is desirable.

LSD = Least Significant Difference. Varieties must differ by the LSD value to be considered significantly different from one another.

Sign Diff = Significant Difference. Indicates if a real difference exists between varieties at an individual site.





There's no need to look further than DuPont Pioneer for corn. We have several options, including the NEW high-yielding corn products with Optimum® AcreMax® technology for above ground insect protection that'll help you get the most from your corn crop. Talk to your local Pioneer Hi-Bred sales representative today or find us at ca.pioneer.com/west/en/



P7632AM™ 2225 heat units

AcreMax

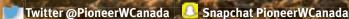
P7958am™ 2275 heat units

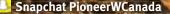












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AM - Optimum* AcreMax* Insect Protection system with YGCB, HX1, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects.

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Manitoba Agriculture Variety Guide

BUCKWHEAT

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Comments:

Buckwheat was not tested in 2016.

Variety Descriptions

Variety	Yield % Check	Site Years Tested	Days to 50% Bloom +/- Check	Height +/- Check	
AC Manisoba	115	21	-3	-5	
AC Springfield	115	21	-1	-13	
Horizon	126	12	_	_	
Koma	100	21	0	0	
Koto 🕲	120	21	-2	-8	
Mancan	108	21	-2	-15	
Manor	111	4	_	_	
CHECK CHARACTERISTICS					
Koma	1608	21	47	114	
	lb/acre	site years	days	cm	







provenseed.ca

Always follow grain marketing and all other stewardship practices and pesticide label directions. Details of these requirements can be found in the Trail Stewardship Responsibilities Notice to Farmers printed in this publication. RIB Complete®, Boundup Ready 2 Technology and Design®, Roundup Ready 3 Technology and VT Double PR0® are registered trademarks of Monsanto Technology LLC, Monsanto Canada Inc., licensee. Proven® Seed is a registered trademark of Crop Production Services (Canada) Inc. CPS CROP PRODUCTION SERVICES and Design is a registered trademark of Crop Production Services, Inc. 10/16-51669

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GRAIN CORN

Comments:

The 2016 grain corn hybrid trials were tested and the data donated by the Manitoba Corn Committee. The data presented is for one year only. Use with caution

All hybrids are evaluated at a plant population of 30,000 plants per acre.

Yields are corrected to 15.5% moisture content.

The Manitoba Corn Committee publishes the annual results with all yearly data, as well as long term data, in their brochure which is available from the Manitoba Corn Grower's Association (204-745-6661).

					MacGr	egor		Mord	en		St. Pie	rre
		Technology/		Yield	Moisture	Bushel Wt	Yield	Moisture	Bushel Wt	Yield		Bushel Wt
CHU ¹	Hybrid	Genetic Traits ²	Distributor	(bu/ac)	(%)	(lbs/bu)	(bu/ac)	(%)	(lbs/bu)	(bu/ac)	(%)	(lbs/bu)
2000	P7005AM	YGCB/HX1/LL/RR	2 DuPont Pioneer	133	21.9	53.0			_	116	20.7	57.3
2050	P7202AM	YGCB/HX1/LL/RR		125	26.0	49.3	145	24.8	53.1	107	20.2	53.3
2050	P7211HR	HX1/LL/RR2	DuPont Pioneer	133	24.5	49.8	127	21.5	54	143	21.9	55.4
2050	P7332R	RR2	DuPont Pioneer	152	27.7	48.3	154	24.2	53.1	169	23.6	52.5
2050	TH 7673VT2P		Thunder Seed Inc.	146	26.6	51.6	_	_	_	128	22.0	56.4
2075	DKC 23-17RIE		Monsanto Canada	143	25.8	51.4	139	24.9	55.9	122	22.0	56.0
2100	LR9573VT2PF	RIB VT2PRIB	Delmar Commodities	122	28.0	51.0	152	25.4	55.1	142	23.1	55.3
2100	P7410HR	HX1/LL/RR2	DuPont Pioneer	125	25.0	49.2	140	22.2	52.1	168	22.0	53.5
2100	TH 7574VT2P	RIB VT2P	Thunder Seed Inc.	180	25.9	51.9	174	25.8	55.6	173	23.4	55.1
2125	LR 9474VT2P	RIB VT2PRIB	Delmar Commodities	159	31.0	48.6	179	28.7	53.6	206	24.1	53.5
2150	PV 60075RIB	VT Double Pro RIB Cr	op Production Services Canada	158	24.4	52.4	163	24.2	55.7	150	24.1	55.4
2150	E44A02 R	VT2P	Elite Seeds	168	28.4	49.6	157	24.2	54.3	176	23.7	54.0
2150	E46J77 R	GT	Elite Seeds	146	27.0	50.6	155	25.3	55.6	182	21.7	57.1
2150	MZ 1340DBR	GENVT2P	Maizex Seeds Inc.	145	27.9	50.9	181	26	53.9	158	23.4	54.0
2175	PS 2210VT2P	RIB GENVT2P D	LF Pickseed Canada Inc.	174	30.7	49.3	194	27.9	53	199	23.5	54.0
2175	A4199G2 RIB	VT2P	PRIDE Seeds	138	26.9	49.5	163	23.2	55	170	23.8	40.0
2200	DKC 27-55RIE	GENVT2P	Monsanto Canada	157	28.6	49.6	_	_	_	139	24.0	55.3
2200	LR 9676VT2P	RIB VT2PRIB	Delmar Commodities	157	27.4	51.1	150	23.8	55.8	149	23.5	54.8
2200	PS 2320RR		LF Pickseed Canada Inc.	178	30.3	49.8	195	30	54.5	148	24.5	53.3
2200	A4415G2 RIB	VT2P	PRIDE Seeds	144	27.4	52.3	140	26.3	55.5	144	23.1	56.0
2200	TH4578	RR	Thunder Seed Inc.	166	27.4	49.9	165	26.1	52.8	176	22.1	54.2
2200	TH 7677VT2P		Thunder Seed Inc.	164	28.5	49.6	188	27.6	53.6	180	26.3	53.4
2225	P7632AM	YGCB/HX1/LL/RR	2 DuPont Pioneer	154	28.0	49.8	166	25.2	52.8	180	24.8	52.8
2225	E47A12 R	VT2P	Elite Seeds	156	31.5	49.2	194	28.5	53.3	172	26.5	52.2
2225	TH 7578BT2P	RIB VT2P	Thunder Seed Inc.	182	27.1	50.4	176	26	53.2	168	22.8	53.0
2250	4085	HXT/LL/RR	DOW Seeds	151	28.6	49.2	173	27.1	54.4	193	25.4	53.2
2250	X14123VH	Bt/RR	DOW Seeds	156	32.2	47.3	171	35	51.6	166	27.7	49.6
2250	39V05	RR2	DuPont Pioneer	162	27.1	49.0	158	23.9	53.7	164	23.4	55.0
2250	HZ 1550	Agrisure 3010	Horizon Seeds	148	25.1	52.4	151	26.3	55.1	170	21.8	57.1
2250	MZ 1633DBR	GENVT2P	Maizex Seeds Inc.	151	29.6	49.4	191	27.3	53.4	164	24.8	53.6
2250	NSG EXP-GT75		NorthStar Genetics	133	28.2	48.8	_	_	_	135	22.6	53.4
2275	PS 2348VT2P	RIB GENVT2P D	LF Pickseed Canada Inc.	162	29.2	50.4	178	27.1	54.8	175	24.0	54.4
2275	P7958AM	YGCB/HX1/LL/RR	2 DuPont Pioneer	175	25.5	49.5	169	25.2	52.7	143	24.2	54.0
2275	39V09AM	YGCB/HX1/LL/RR	2 DuPont Pioneer	150	27.7	50.4	174	25.2	53.3	163	25.1	53.0
2300	4093	HXT/LL/RR	DOW Seeds	171	27.1	50.2	166	27.5	54.5	178	25.1	53.6
2300	DS80A27	SSX	DOW Seeds	164	30.7	47.2	190	30.8	51.1	183	25.2	51.6
2300	X15014VX	Bt/RR	DOW Seeds	158	31.7	47.7	181	30.7	52.2	197	26.2	52.2
2300	X15102VX	Bt/RR	DOW Seeds	153	32.6	46.4	160	26.8	51.3	151	22.6	52.8
2300	MZ 1624DBR	GENVT2P	Maizex Seeds Inc.	157	28.9	48.3	195	27.2	53.6	164	23.0	55.0
2300	NSG EXP-GT76	GT	NorthStar Genetics	142	29.5	48.6	_	_	_	142	23.9	52.7
2300	A4631G2 RIB	VT2P	PRIDE Seeds	168	29.9	50.2	173	26.2	53.9	164	23.3	54.1
2325	E49A12 R	VT2P	Elite Seeds	165	28.2	50.7	185	27.2	52.9	193	24.3	52.9
2350	HZ 675	GTCBLL	Horizon Seeds	154	30.6	50.8	179	30.9	53.9	168	24.9	53.1
2350	NSG EXP-GT78		NorthStar Genetics	127	31.5	46.9	_	_	_	144	23.9	53.1
2350	A4939G2 RIB	VT2P	PRIDE Seeds	166	29.8	49.1	194	28.2	52.6	191	26.1	52.2
2350	TH 7681VT2P		Thunder Seed Inc.	177	30.0	48.5	182	26.8	52.1	182	24.9	52.6
2350	HZ 1885	Agrisure 3010	Horizon Seeds	176	27.5	51.5	168	27.5	54.3	177	23.9	54.6
2375	HZ 730GT	GT	Horizon Seeds	163	29.7	47.8	164	25.3	51.7	158	22.2	52.7
2375	A5095G2 RIB	VT2P	PRIDE Seeds	159	30.2	49.6	192	28.5	53.5	174	25.5	52.4

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					MacGre	gor		Morde	n		St. Pier	re
CHU ¹	Hybrid	Technology/ Genetic Traits ²	Distributor	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)	Yield (bu/ac)	Moisture (%)	Bushel Wt (lbs/bu)
l ——						, , ,						<u>, , </u>
2400	DKC 32-12RIB		Monsanto Canada	186	29.1	48.5	194	28	52.9	198	24.3	53.5
2400	E50P52 R	VT2P	Elite Seeds	183	28.5	49.5	181	29.4	53.3	179	24.4	54.0
2450	E52V92 R	VT2P	Elite Seeds	_	_	_	182	28.8	53.4	_	_	
2450	NSG EXP-GTCB	LL80 GT	NorthStar Genetics	161	31.7	50.1	_	_	_	180	24.9	54.8
2450	NSG EXP-GT80	GT, CB, LL	NorthStar Genetics	152	27.8	51.8	_	_	_	150	23.6	54.5
2475	P8210HR	HX1/LL/RR2	DuPont Pioneer	158	30.7	47.3	176	28.7	51.8	159	22.7	53.4
2500	P8387AM	YGCB/HX1/LL/RR2	DuPont Pioneer	_	_	_	174	26.8	51	_	_	
2500	E53B22 R	VT2P	Elite Seeds	_	_	_	190	27.4	53	_	_	_
2500	E53G52 R	VT2P	Elite Seeds	_	_	_	190	27.3	52.6	_	_	_
			Site Average	155	28.4	49.7	171	26.8	53.5	164	23.7	53.6
			CV%	8.7	6.4	2.7	6.1	3.7	1.1	9.0	5.0	6.3
			Sign Diff	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
			LSD (0.05)	22	3.0	2.1	17	1.6	0.9	24	1.9	5.5
			Planting Date		/lay 5, 201	6	N	/lay 9, 201	6	M	av 17, 20 ⁻	16
			Harvest Date		ober 15, 2			tober 5, 20			ober 14, 2	

- 1 Each company assigns a corn heat unit (CHU) rating to each of their hybrids. The CHU rating is a measure of relative maturity and is one criteria for choosing a hybrid which will mature in your area. Moisture content at harvest, density, and days to 50% silk are other measurements to look at when evaluating the relative maturity of a hybrid.
- 2 The Canadian Seed Trade Association (CSTA) website provides a database for corn hybrids available in Canada, available at http://cdnseed.org/list-of-corn-hybrids/. Information provided includes technology brand name and refuge requirements. BT, HX1, CB, YGCB, VT2PRIB, resistance to European corn borer; RR, RR2, GT glyphosate herbicide tolerant; LL Liberty herbide tolerant.



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Comments:

A licence from Health Canada is required to grow Industrial Hemp.

THC testing for some varieties is required.

As per the Industrial Hemp Regulations, industrial hemp varieties must be approved for commercial cultivation under licence for the current crop year. Please refer to Health Canada's "List of Approved Cultivars for the 2017 Growing Season" report prior to seeding.

Please note that the Industrial Hemp Regulations requires that all seed planted for the production of industrial hemp in Canada must be of pedigreed status (Certified or better).

For more information, please refer to Health Canada's website at www.healthcanada.gc.ca/hemp.

Variety Descriptions

	Yield	Site		2016 Yield: 9	% of CRS-1
	%	Years			
Variety	Check	Tested		Carberry	Melita
Alyssa	82	13		_	_
Anka	81	10		_	_
Canda	109	20		110	98
CanMa	88	3		_	_
CFX-1	93	20		86	96
CFX-2	94	19		78	102
CRS-1	100	23		100	100
Delores	97	21		93	87
Finola®	60	16		_	_
Grandi	82	3		58	93
GranMa	78	1		_	_
Joey	113	15		77	93
Jutta	94	8		_	_
Katani⊕	78	3		45	93
Picolo®	77	3		53	81
Silesia	76	13		74	102
X59®	100	14		89	105
Varieties that are being evaluated for	approval				
Debbie	95	13		101	101
Judy	64	1		_	_
CHECK CHARACTERISTICS			CRS-1 (lb/acre)	1465	808
CRS-1	1524	23	CV%	13.7	8.9
	lb/acre	site years	LSD%	19	13
			Sign Diff	Yes	Yes
			Seeding Date	20-May	30-May
			Harvest Date	13-Sep	15-Sep

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Pulse Package - \$149 (GST included)
 Germination, Cold Vigour, 1000 KW, all applicable diseases
 Cereal Package 1 (Wheat, Rye, Oats, Triticale) - \$149 (GST Included)
 Germination, Cold Vigour, 1000 KW, Fusarium, Cochliobolus
 Cereal Package 2 (Barley) - \$207 (GST included)
 Germination, Cold Vigour, 1000 KW, Fusarium, Cochliobolus, Smut

Wheat Marketing Package - \$93 (GST included)
Falling Number, Protein, Vomitoxin, Bushel Weight
Malt Barley Marketing Package - \$88 (GST Included)
Malt Germ, Protein, Plump Test, Vomitoxin

Germination - \$25 (GST included)Soil Germination - \$35 (GST included)Vigour - \$38 (GST included)

Clubroot - \$95 (GST included)Disease - please call for more infoAphanomyces - \$113 (GST included)

GO TO www.seedtesting.com OR CALL 306-249-4484 FOR MORE INFO

Look up variety within the correct CROP KIND to find the company, then look for company phone number in the box at bottom of section.

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AC Manisoba SeCan
AC Springfield Springfield Mills Inc.
Horizon Mancan Genetics Ltd.
Koma Springfield Mills Inc /Fis

Springfield Mills Inc./Fisher Seeds/

GRAIN CORN

- see Grain Corn table for specific hybrids, then check Distributor table below for phone number -

INDUSTRIAL HEMP

Alyssa	Parkland Industrial Hemp Growers Coop Ltd.
Anka	Ontario Hemp Alliance
Canda	Parkland Industrial Hemp Growers Coop Ltd.
CanMa	PhytoGene Resources Inc.
CFX-1	Hemp Genetics International Inc.
CFX-2	Hemp Genetics International Inc.
CRS-1	Hemp Genetics International Inc.
Delores	Parkland Industrial Hemp Growers Coop Ltd.
Finola@	Hemp Oil Canada Inc.
Grandi⊕	Hemp Genetics International Inc.
GranMa	PhytoGene Resources Inc.
Joey	Parkland Industrial Hemp Growers Coop Ltd.
Jutta	Ontario Hemp Alliance
Katani⊕	Hemp Genetics International Inc.
Picolo⊕	Hemp Genetics International Inc.
Silesia	Alberta Innovates Technology Futures
X59.⊚	Terramax



DISTRIBUTOR	PHONE NUMBER
Alberta Innovates Technology Futures	1-780-632-8436
Crop Production Services (Canada) Inc.	1-403-603-6000
Delmar Commodities (Legend Seeds)	1-204-331-3696
DLF Pickseed Canada Inc. (PICKSEED)	1-204-633-0088
Dow AgroSciences (Dow Seeds)	1-800-265-7403
DuPont Pioneer (Pioneer)	1-800-265-9435
Durand Seeds	1-204-248-2268
Elite Seeds (BrettYoung)	1-800-665-5015
Fisher Seeds Ltd	1-204-622-8800
Hemp Genetics International Inc	1-604-607-4953
Hemp Oil Canada Inc	1-800-289-4367
Horizon Seeds Canada Inc. (Horizon Seeds)	1-855-983-7255
Maizex Seeds Inc	1-877-682-1720
Mancan Genetics Ltd.	
Monsanto Canada Inc. (DEKALB)	1-800-667-4944
Northstar Seed Ltd	1-800-430-5955
NorthStar Genetics Ltd	1-204-262-2425
Ontario Hemp Alliance	1-613-281-2734
Parkland Industrial Hemp Growers Coop Ltd	1-204-629-4367
PhytoGene Resources Inc	1-613-240-4120
PRIDE Seeds	1-800-265-5280
SeCan	1-800-665-7333
Springfield Mills Inc.	1-204-362-1524
Thunder Seed Canada Inc.	1-306-213-8888
Terramax	1-306-699-7368



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INDUSTRIAL HEM

BUCKWHEAT

S=Select; F=Foundation; R=Registered; C=Certified; Indicates Plant Breeders Rights (PBR) protection under UPOV 1978 and @ protected or pending under UPOV 1991; '*' listed varieties are eligible for seed class, but undergoing post-harvest seed testing for Additional Certification Requirements, at time of publication.

AC SPRINGFIELD

Oak Bank; Kyle, Lorne C. & C. Angus204-822-4396

HORIZON

Morden; Kenaschuk, Edward O204-822-5246	S
Oak Bank: Kyle. Lorne C. & C. Angus	S

KOMA

Notre Dame; Durand, Gabriel A. & Marc	204-248-2268	SFRC
Ochre River: Schroeder, Ken	204-733-2457	C

MANCAN

Notre Dame; Durand	, Gabriel A. & Marc	204-248-2268	SFRC
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Dauphin; Parkland Industrial Hemp Growers204-629-4367

CFX-2

S=Select; F=Foundation; R=Registered; C=Certified; @ Indicates Plant Breeders

Rights (PBR) protection under UPOV 1978 and @ protected or pending under UPOV 1991; '*' listed varieties are eligible for seed class, but undergoing post-harvest seed

testing for Additional Certification Requirements, at time of publication.

Kenton; Stevenson, Richard D.O. & Douglas204-838-2696 С

CRS-1

Dauphin; Fisher, Roderick Allan & Douglas James......204-622-8800 C

FINOLA

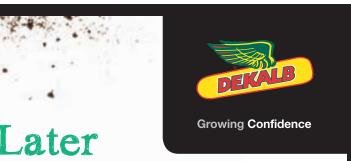
JOEY Dauphin; Parkland Industrial Hemp Growers204-629-4367

Ste. Agathe; Hemp Oil Canada Inc204-882-2480

CANARYSEED

CDC CALVI®

Dufrost; Catellier, Patrick Raymond......204-347-5503 Reston; Greig, Fred L. & Fotheringham, John A. (Jack) 204-877-3813



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REAL FARMREWARDS CA

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F-14035A (08/2016)

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