Government of Saskatchewan

ICDC Forage Projects at CSIDC in 2013

Sarah Sommerfeld, PAg
Regional Forage Specialist
2013 ICDC Conference
December 4, 2013

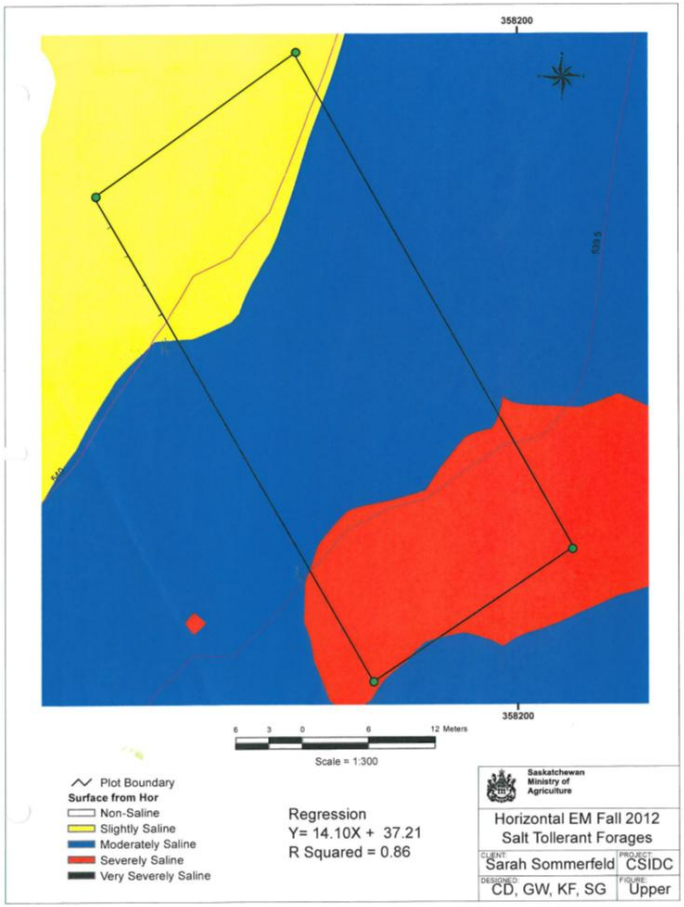
Government of Saskatchewan

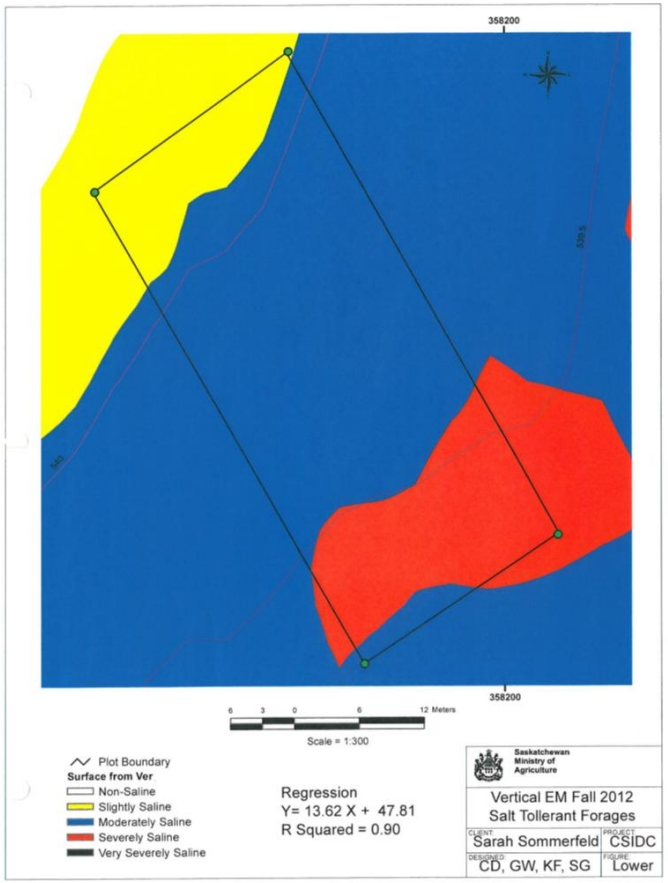
Demonstration of
Perennial Forage Crops

20 legumes
30 grasses

October 4, 2013

Salt Tolerant Forage Demonstration





Government of Saskatchewan

Forage Variety	Seeding rate (lb./acre)
Garrison Creeping Foxtail	5
Carlton Smooth Bromegrass	8
Common Slender Wheatgrass	8
Common Tall Wheatgrass	12
AC Saltlander Green Wheatgrass	10
Halo Alfalfa	9
Barricade Alfalfa	9
Rugged ST Alfalfa	9
Assalt Alfalfa	9
55V50 Alfalfa	9
54Q32 Alfalfa	9

Alfalfa plots – moderate to severe

Grass plots – moderate to severe

P, K, S Fertilization of a new Alfalfa Stand

Control	0-0-0-0
P only	0-75-0-0
K only	0-0-75-0
S only	0-0-0-15
P and K	0-75-75-0
P and S	0-75-0-15
K and S	0-0-75-15
P, K and S	0-75-75-15
P, K, S and Zn	0-75-75-15-4

Government of Saskatchewan

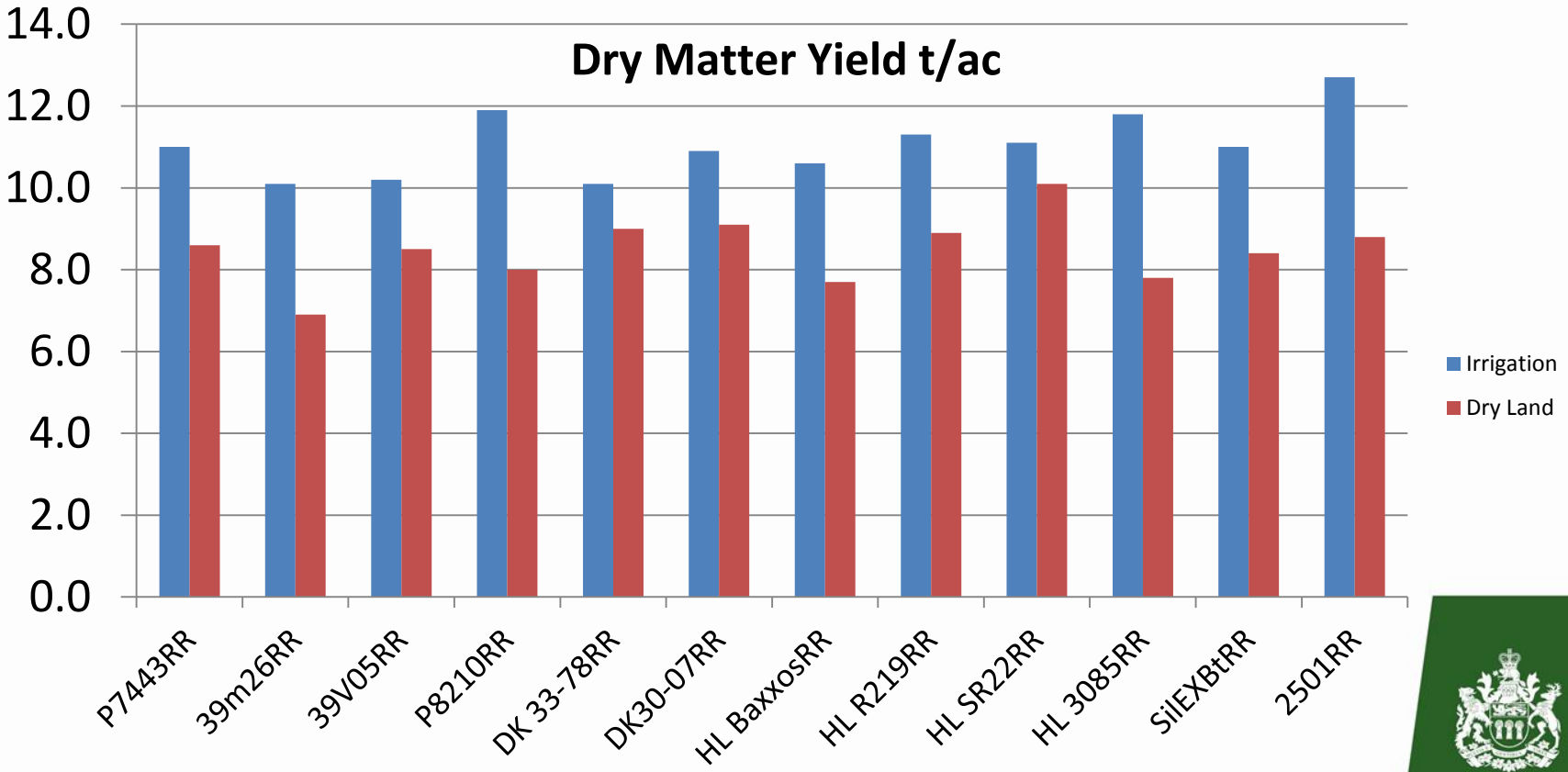
Table 2. Plant tissue analysis of alfalfa indicating a zinc deficiency

Treatment	N %	P %	K %	S %	Ca %	Mg %	Cu ppm	Fe ppm	Mn ppm	Zn ppm	B ppm
Healthy alfalfa plants	4.15	.303	2.41	.388	1.62	.316	4.9	128	43.3	**15.8**	54.5
Abnormal alfalfa plants	2.75	.234	1.76	.251	1.28	.228	3.3	96.3	32.8	**11.1**	36.5
Sufficient	3.5	.25	2	.25	1	.3	3	25	25	20	30
Marginal	3	.20	1.5	.2	.5	.2	2.5	20	20	15	20

Corn Variety
Demonstration for
Silage and Grazing

Added in 2013

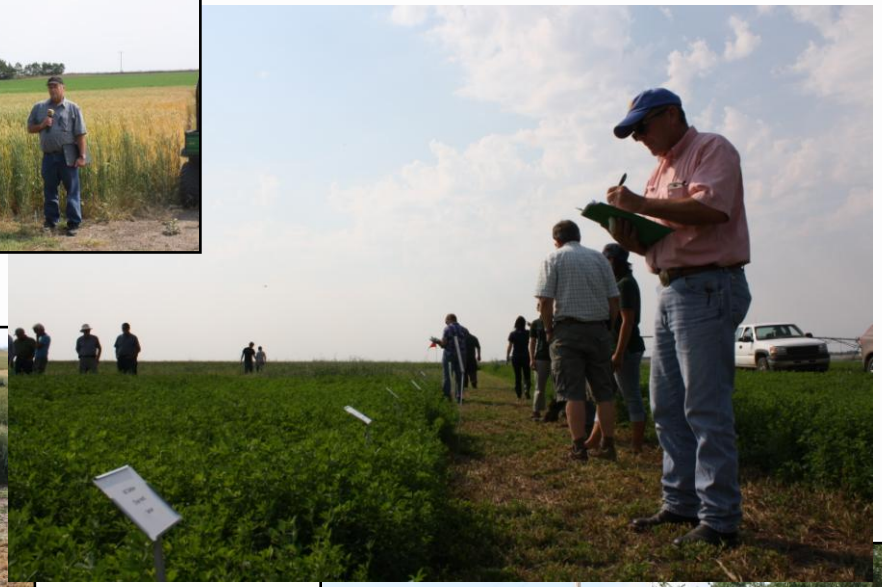
Variety	Company	Corn Heat Unit (CHU) Rating
P7443R RR	DuPont Pioneer	2100
39m26 RR	DuPont Pioneer	2100
39V05 RR	DuPont Pioneer	2350
P8210 RR	DuPont Pioneer	2475
DKC 33-78 RR	Dekalb	2500
DKC 30-07 RR	Dekalb	2325
Baxxos RR	Hyland	2300
HL R219 RR	Hyland	2375
HL SR22 RR	Hyland	2400
HL 3085 RR	Hyland	2400
Silex Bt RR	Pickseed	2200
2501 RR	Pickseed	2300

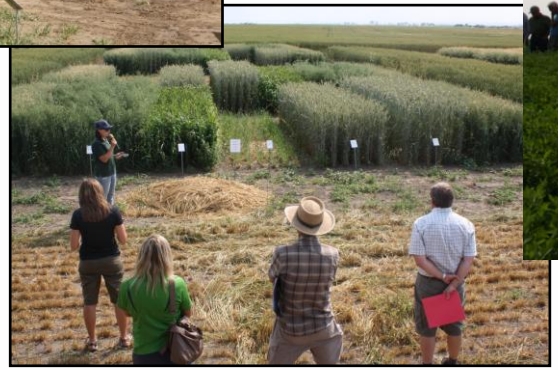

Dry Matter Yield t/ac
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
P7443RR
39m26RR
39V05RR
P8210RR
DK 33-78RR
DK30-07RR
HL BaxxosRR
HL R219RR
HL SR22RR
HL 3085RR
SilEXBtRR
2501RR
Irrigation
Dry Land

Corn trial harvest 2013 – September 24

Government of Saskatchewan

Corn trial harvest 2013 – September 24





Forage Field Day
August 28

Acknowledgements

Seed for projects provided by:

- Dupont Pioneer
- Dekalb
- Pickseed
- BrettYoung
- Secan
- Northstar Seeds Ltd.
- Ag Vision Seeds

Sarah Sommerfeld, PAg
Regional Forage Specialist
Outlook
306-867-5559
sarah.sommerfeld@gov.sk.ca

Government of Saskatchewan

Questions ???

Government of Saskatchewan

www.gov.sk.ca