

2018 International Clubroot Workshop

Edmonton AB

August 6 – 9, 2018

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VP Crop Production & Innovation
Canola Council of Canada

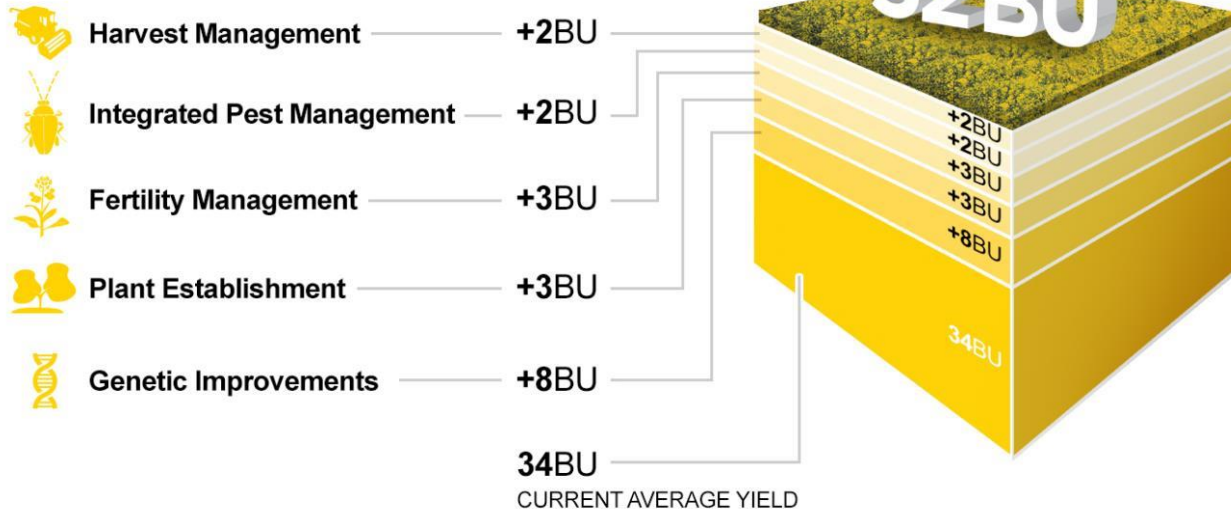


KEEP IT COMING

52 bu by 2025: How we'll get there

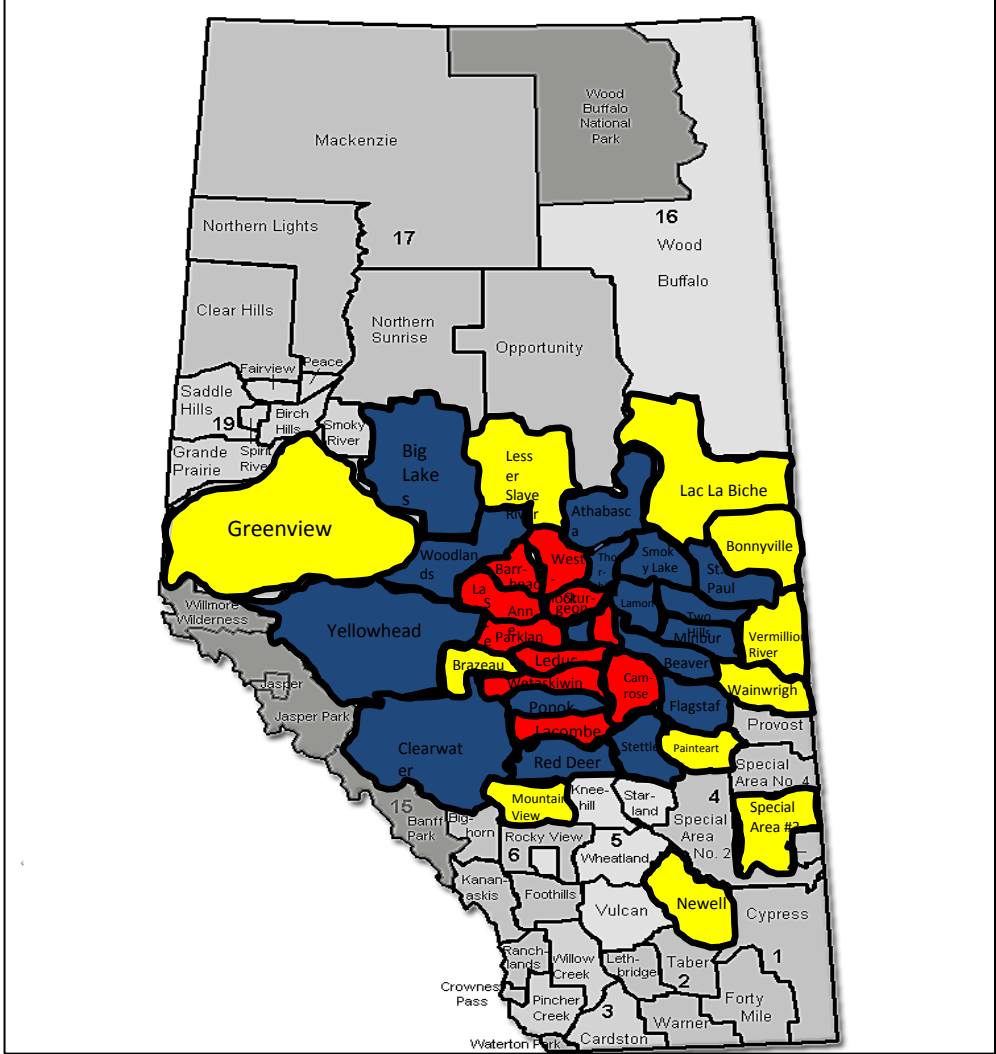
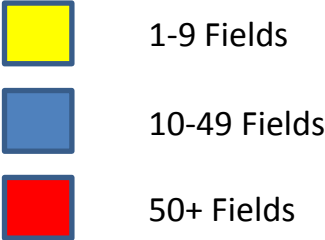
- Increased Yields, Profitability, Sustainability
- Reduced Production Risk
- ***Sustainable, Consistent Supply***
- ***DEMAND Driven – 26 mmt of canola***

OUR TOOLS FOR INCREASING YIELDS:



Alberta

2017



Pathotypes Confirmed in Canada

Differential Host	Reaction																
ECD 02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ECD 05	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
ECD 06	+	+	+	+	+	+	-	+	+	-	-	-	+	+	-	+	-
ECD 08	+	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+
ECD 09	+	+	+	+	+	+	-	+	+	-	-	-	+	+	+	+	-
ECD 10 W	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ECD 11 BS	-	+	-	-	-	+	-	-	-	-	-	-	-	-	-	-	-
ECD 13 JQ	+	+	-	+	-	+	-	+	-	-	-	-	+	-	+	-	-
Brutor	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Laurentian	+	+	-	+	+	+	-	+	-	+	-	-	-	+	+	+	-
Mendel	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+
Westar	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
45H29	+	+	+	+	+	-	+	-	-	+	+	-	-	-	+	+	+
Pathotype designations																	
CCD	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	X
Williams	3	2	5	3	8	2	5	3	5	8	5	5	6	8	3	8	5
Somé et al.	P2	P2	P2	P2	P2	2	P3	3	5	P3	P3	P3	6	8	P3	P2	5 X

Total of 17 pathotypes identified with CCD Set, 5 with Williams (1966), 2 with Somé et al.

2018 INTERNATIONAL CLUBROOT WORKS!

A big thank you to our sponsors!

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Clusters of Fields with New Strains

- Fields with resistance issues appear to occur in clusters
- Suggests independent selection for new strains & dissemination to nearby fields

CLUBROOT Management =
INTEGRATED APPROACH

