Integrated crop-livestock-forest-systems (ICLF) in temperate regions

- how they address the challenges of a sustainable future.

Tom Goddard, Alberta Agriculture & Forestry, Canada

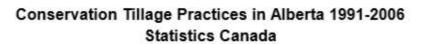
world congress on integrated crop-livestock-forest systems
3°International Symposium on Integrated Crop-Livestock Systems

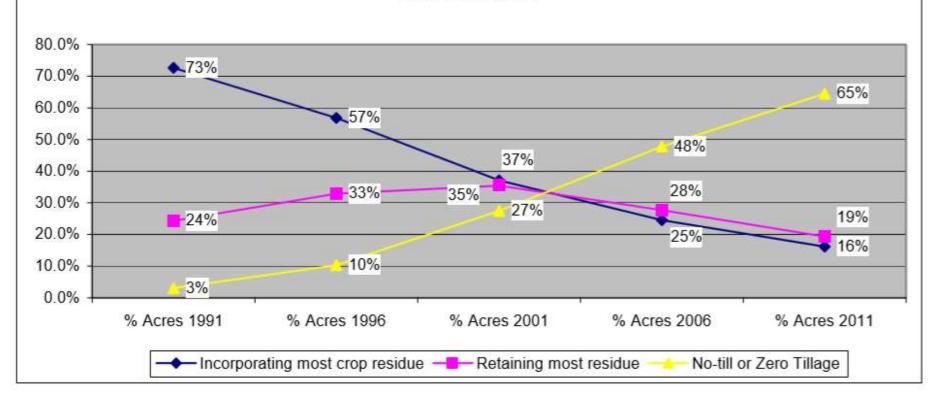


















Rainfall Simulator Rai



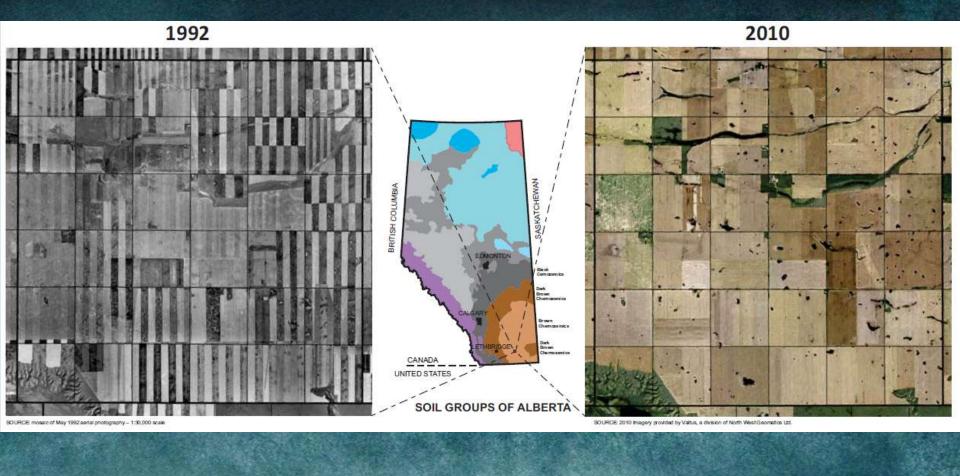




Conventional

Reduced

No Till





- Canola Crop (per acre)
 - Seed \$54.00
 - Fertilizer \$97.00
 - Herbicide/Fungicide \$47.00



- Hay Crop
 - •\$61.00/tonne

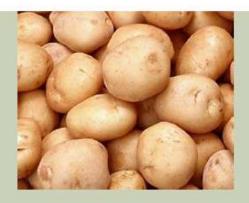


Water is generally the cheapest input, yet it is perhaps the most overlooked.

Environmentally Smart Nitrogen Study (ESN)

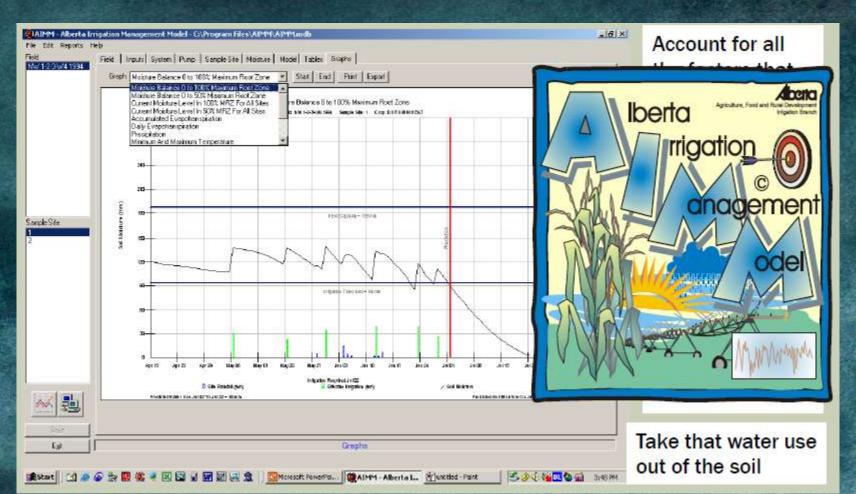
One set of treatments and replications in Vauxhall, one in Brooks





2009
Yield - 6 ton per acre
Revenue - over \$1000
per acre

Estimate soil water status





THAI	Toyck: Sie	Disktop (mm)	Hanne	Thesinis	Date	Report	Water Da	Det	Irigation.	Primposium (mm)	Histories	Des
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NE 14-11-10-4	HYBRID CAN	170	125	95		No			- 1	10	- 18	Till-May-01
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W1411484	WINTWERN	106	116	34	58-Au-00	file				47	47	G6Hfay-C6

Pivot Control Software

irrigation scheduler mobile Add New Field Help Check box to start with existing field: Name: Test Com Brooks Year 2014 Network: Alberta (Alberta, CA) Station Brooks Crop: Corn (grain) Soil: Fine Sandy Loam Add Field @ Dashboard ✓ Daily Budget Table Soil Water Chart More Charts # Fleid Settings - Add/Delete Fields Privacy About Us Contact Us Logout Desktop Website Help





