ABCs of Farming	
ABCS OF Fairning	
Activity Based Costing	
, .	
What Is It? - Activity based approach to tracking cost of	
production	
Examples Hay Harvest Example: Crop Operation: Swathing Pre-plant ground Raking Preparation Turning Seeding/Fertilization	
Pest Control Harvest Post Harvest Land Tarping	
☐ Hog Operation: ■ Breeding ■ Farrowing	
■ Weaner ■ Finishing	
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Value of Informatica	
Value of Information	
☐ Identifies costs of each activity☐ Enables comparison to:	
Industry or competitor costsCustom rates	
☐ Helps identify alternatives to optimize ■ "In-source/out-source" decision	
■ Farming/ranching practices □ Establishes basis for pricing	

■ hiring or providing custom services

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Costs/Acre* - Conventional Seeding - Spring Peas

Operation C	ost/Acre
Fall Plow	\$18.00
Spring Harrow	3.50
Spring Cultivate	5.00
Cultivate/Spray Incorporate	6.50
2nd Incorporation-Cultivator	5.00
Seed-Conventional Drill	12.00
Harrow	3.50
Roller/Packer	3.00
Total Costs Per Acre	\$56.50

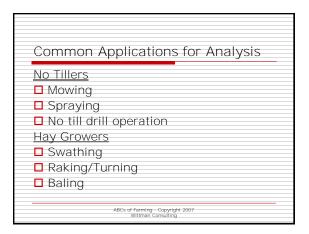
Costs derived from activity based accounting/industry standard rates

Costs/Acre* - Direct Seeded Spring Peas

Operation	Cost/Acre
Fall Heavy Harrow	\$4.00
Fall Roundup-Green Brid	lge 7.00
Custom Hire-Direct Seed	Drill 17.00
Harrow	3.00
Roller/Packer	3.00 Sayings /As
Total Costs Per Acre	\$35.50 Savings/Ac $$35.50 = 21
Other Qualitative Factor.	
loss, less compaction, less ero	osion risk
,,,	

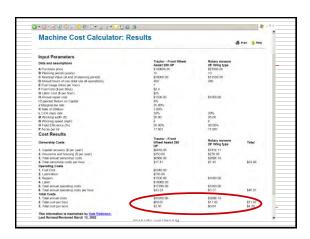
Costs derived from industry standard rates

	nformation Need	
0	Ownership costs Cost of power unit/implement Planning Horizon/useful life Salvage value Cost of capital or borrowing Insurance & housing costs Tax rates WARNING: Use YOUR costs NOT economic costs from someone else's data NOT replacement cost Annual usage of power unit – all operations	Operating costs Fuel Cost of fuel Labor cost Support personnel Support personnel Cost of fuel Labor cost Support personnel Repairs and Maintenance Other Equip Support Overhead Costs (combine labor vs parts example) Productivity of Operation Working width Speed Field efficiency %

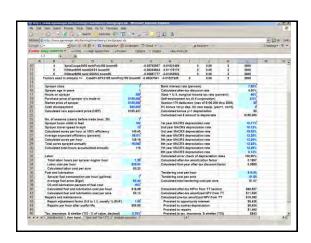


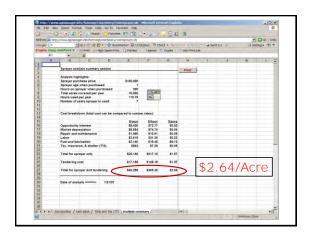




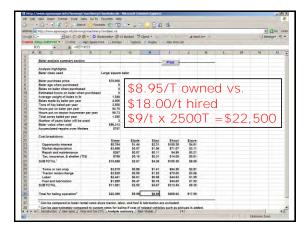








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Challenges to ABC
☐ Predicting obsolescence, econ deprec☐ Estimating inflation in capital replacement costs & technology change
□ Which pricing strategy is right?■ Cover actual costs + margin, or■ Cover replacement costs + margin
Capturing indirect OH/support costs essential to specific equip operations ABCs of Farming - Copyright 2007 Wittman Consulting

Critical information for making
incremental decisions - expansion
Identifies when it's best to in-source
vs. outsource
Sets accurate base for pricing in
custom work & trade relationships
Can be reasonable alternative to cost
center tracking & allocation approach

Resources
☐ Machinery Cost Calculator - Alb Ag www.agric.gov.ab.ca/app24/costcalculators /machinery
□ AG Manager Information - Kansas St
www.agmanager.info/farmmgt/machinery Machinery Cost Calculator - Iowa State (William Edwards)
www.extension.iastate.edu/agdm/crops/xls/a3-21_35machfinancing.xls
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