























Accounting Finance VS













CAPITAL BUDGETING TOOLS





WINE

CAPITAL BUDGETING TOOLS



- Capital Budgeting is Essential
- Assets must Drive Returns
- Impossible Without \$\$ Forecast
- Analysis can Enhance Intuition
- \$100/acre on the Table









Equipment

Speed x width, fill time, machine capacity, market value



Labor & Inputs

Job qualifications, hours per day, seed varieties, chemicals, fertilizer



Fields

Location, size, field efficiency, harvest destination



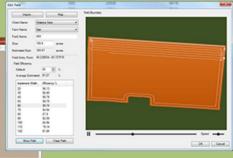
Field Plans

Field passes, harvest moisture, projected yield, travel times, tender labor, crop mix, etc.

Knowledge = Profits



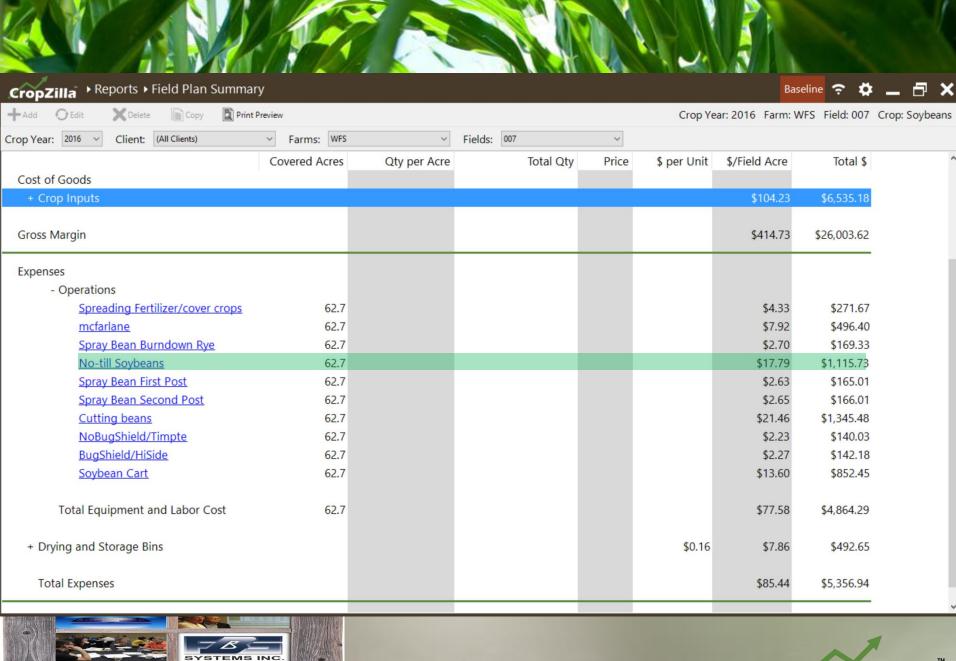






CropZilla Farm Model

CropZilla







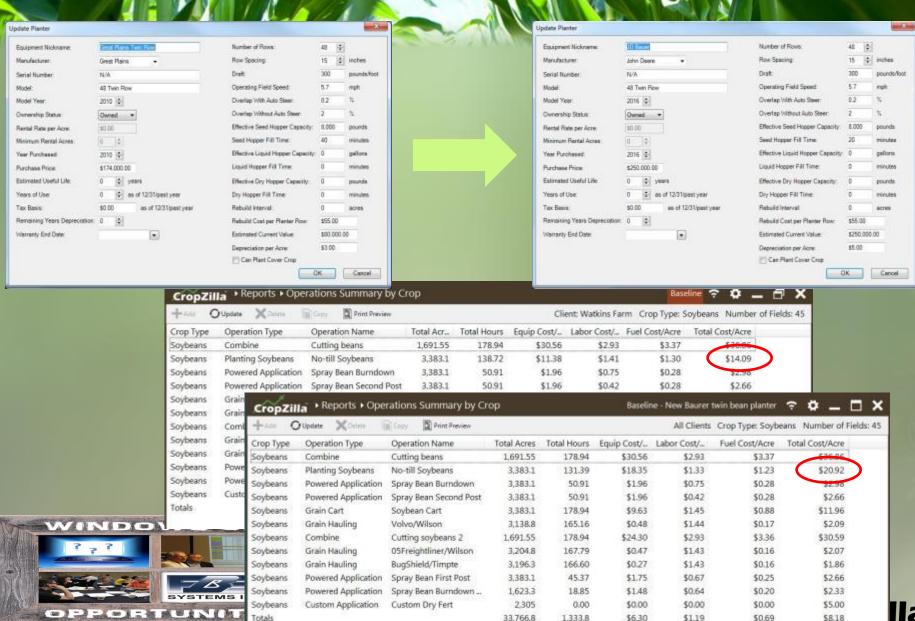
Machine	Depr	Capital	Repairs	Insurance	Fuel	Labor	Total/covered acre	Total/field acre	Total	
Seed Tender	\$0.0804	\$0.0708	\$0.0076	\$0.0040	\$0.00	\$0.00	\$0.16	\$0.16	\$10.21	
2000 Chevy K3500	\$0.0021	\$0.0017	\$0.0030	\$0.0001	\$0.00	\$0.24	\$0.26	\$0.26	\$16.12	
JD 8360RT	\$2.3429	\$0.8051	\$0.1394	\$0.0352	\$0.92	\$0.98	\$5.23	\$5.23	\$327.99	
Kinze Twin Row	\$6.0120	\$5.4036	\$0.4917	\$0.2364	\$0.00	\$0.00	\$12.14	\$12.14	\$761.41	
Total	\$8.4374	\$6.2812	\$0.6417	\$0.2757	\$0.92	\$1.23	\$17.79	\$17.79	\$1,115.73	

OK





planter



AG SOFTWARE USER CONFE AUGUST 22-23. MOLINE, IL

Scenario: rcrease planting hours per day

Working

2,445

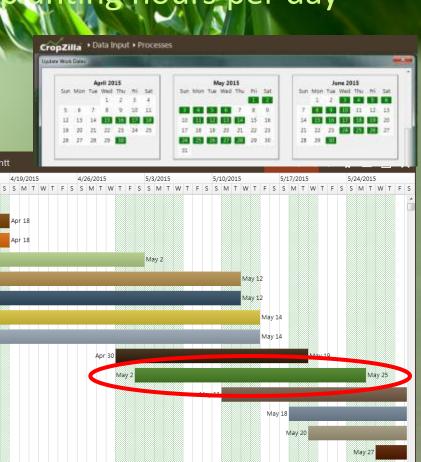
1,650

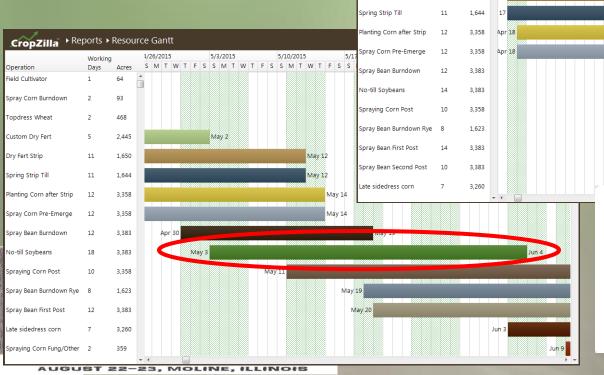
Spray Corn Burndown Topdress Wheat

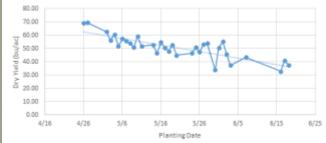
Custom Dry Fert

Dry Fert Strip

- We input into CZ an analog weather year to project the effect of planting longer hours on planting date
- We look at historical yield by planting date chart
- Applying the planting date difference to this chart shows a 5 bu per acres overall yield increase by increasing planting hours CropZilla → Reports → Resource Gantt
- On this farm, that is over \$170K increase y/y







Soybean Yield by Planting Date











