

# Cook Agronomy Farm

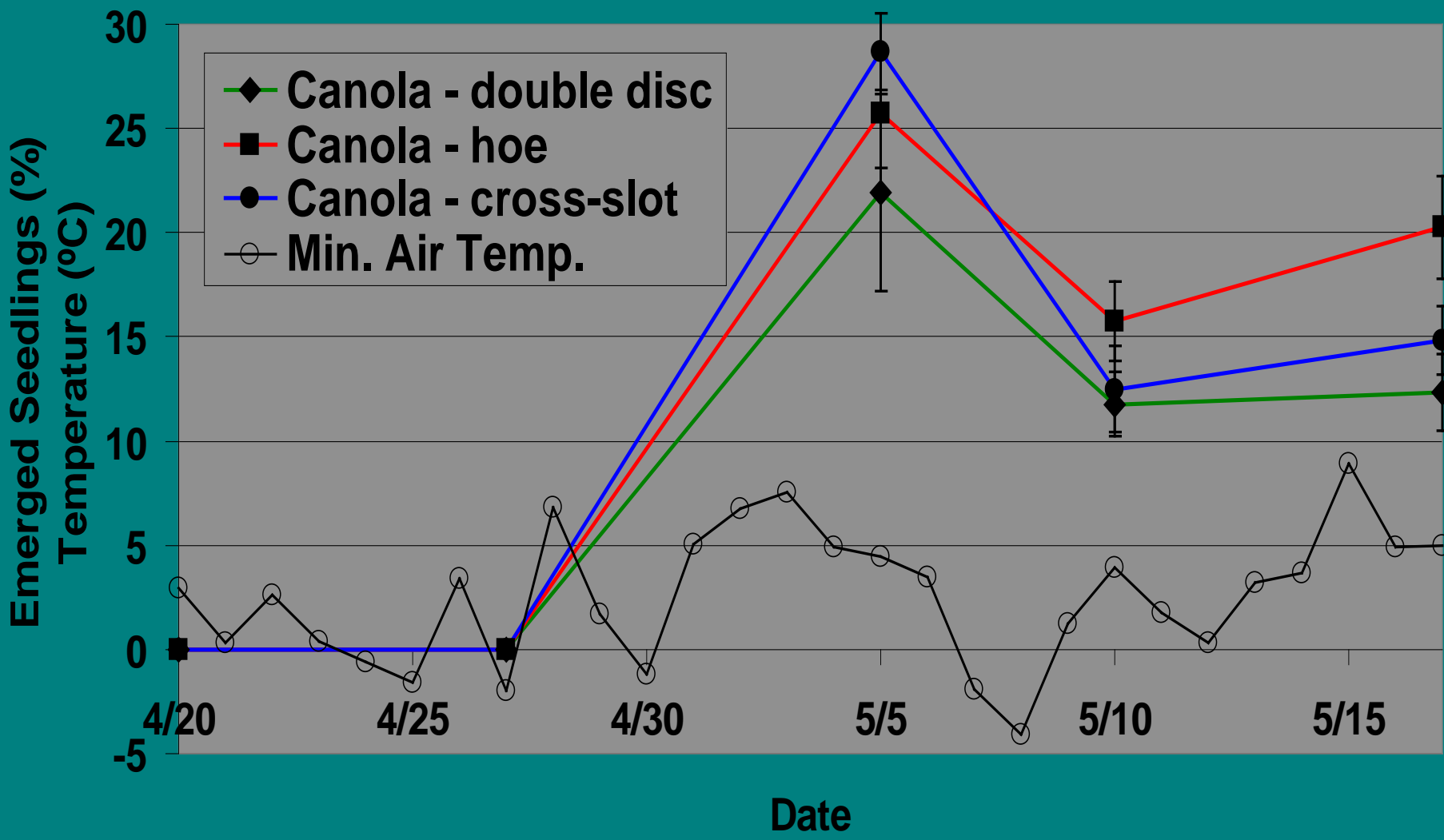
## Direct Seed and Precision Farming Systems



**Develop principles and strategies that reduce risk, increase profits and improve environmental quality**



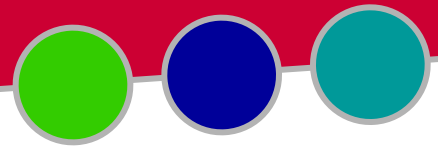
# Spring Canola Seedling Emergence Spring 2000



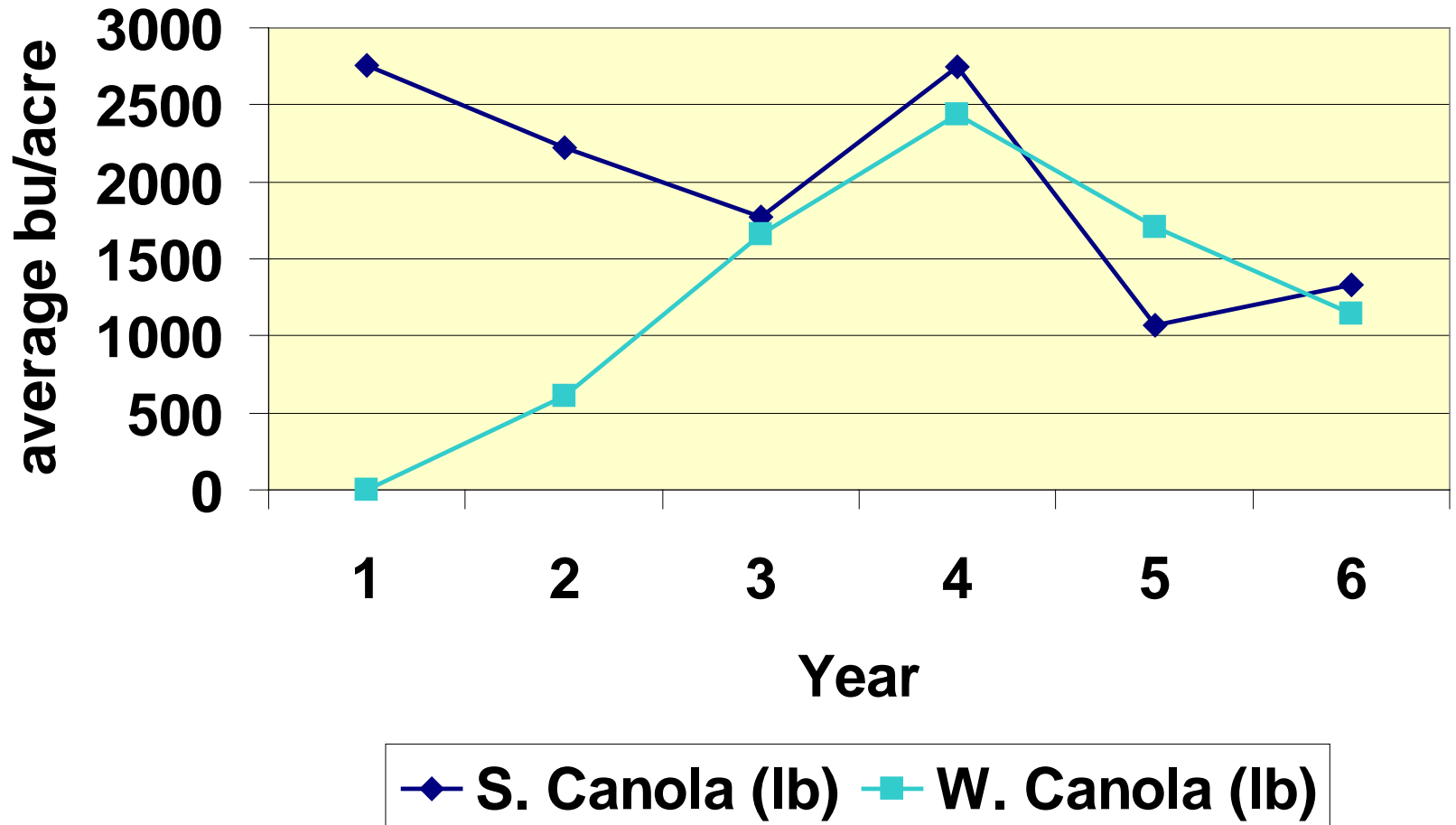
# Production Summary

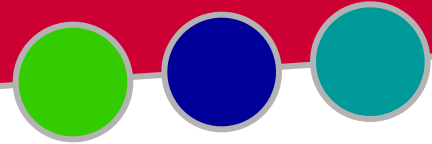
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- **No-till: Great Plains Drill**
  - **RR varieties**
  - **Seeding date: early April (target)**
  - **Seeding rate: 6 lbs/ac**
  - **Fertilizer: 110-10-25**
  - **Insecticides: none**
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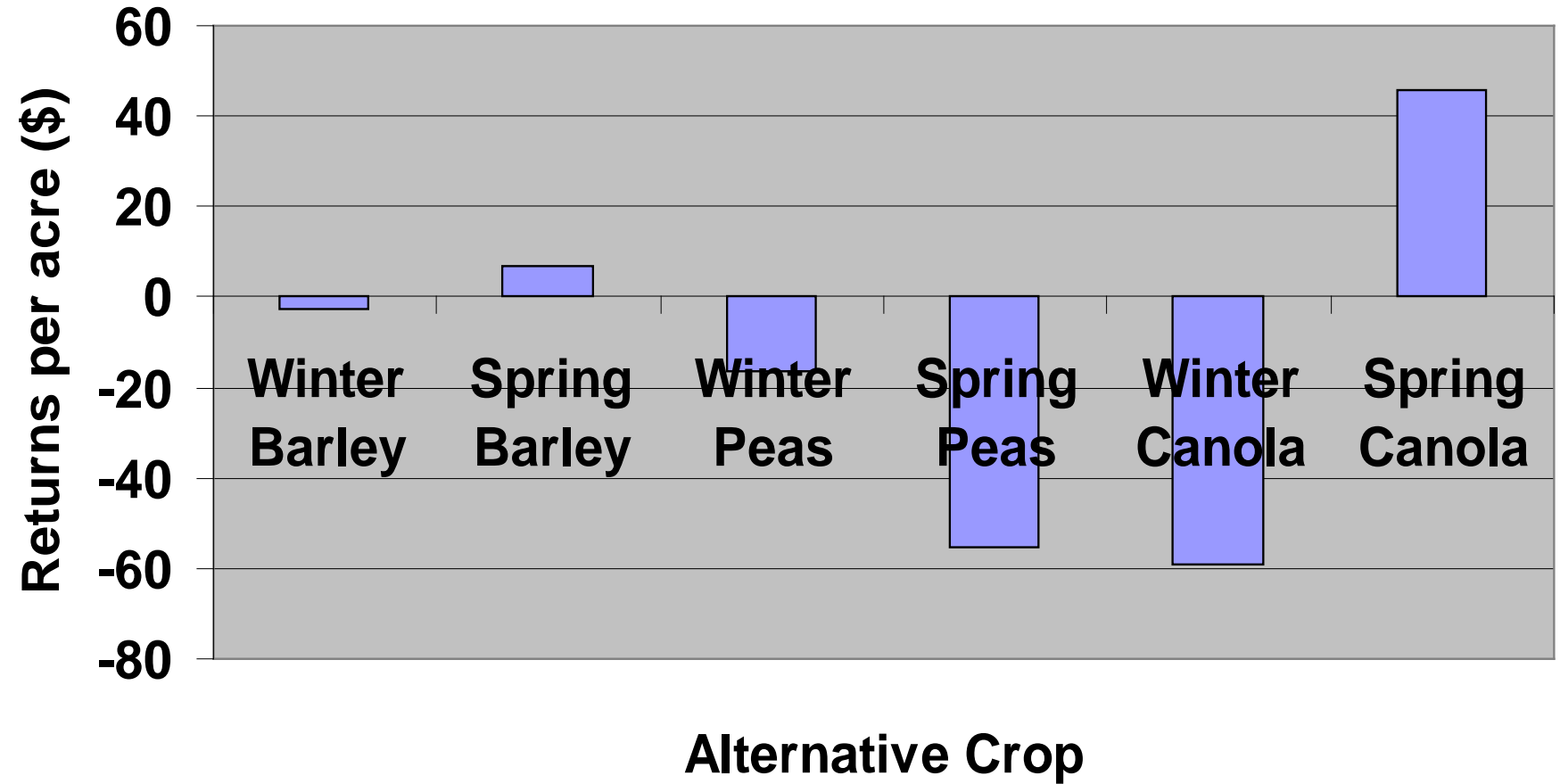


## Crop Yields by Year

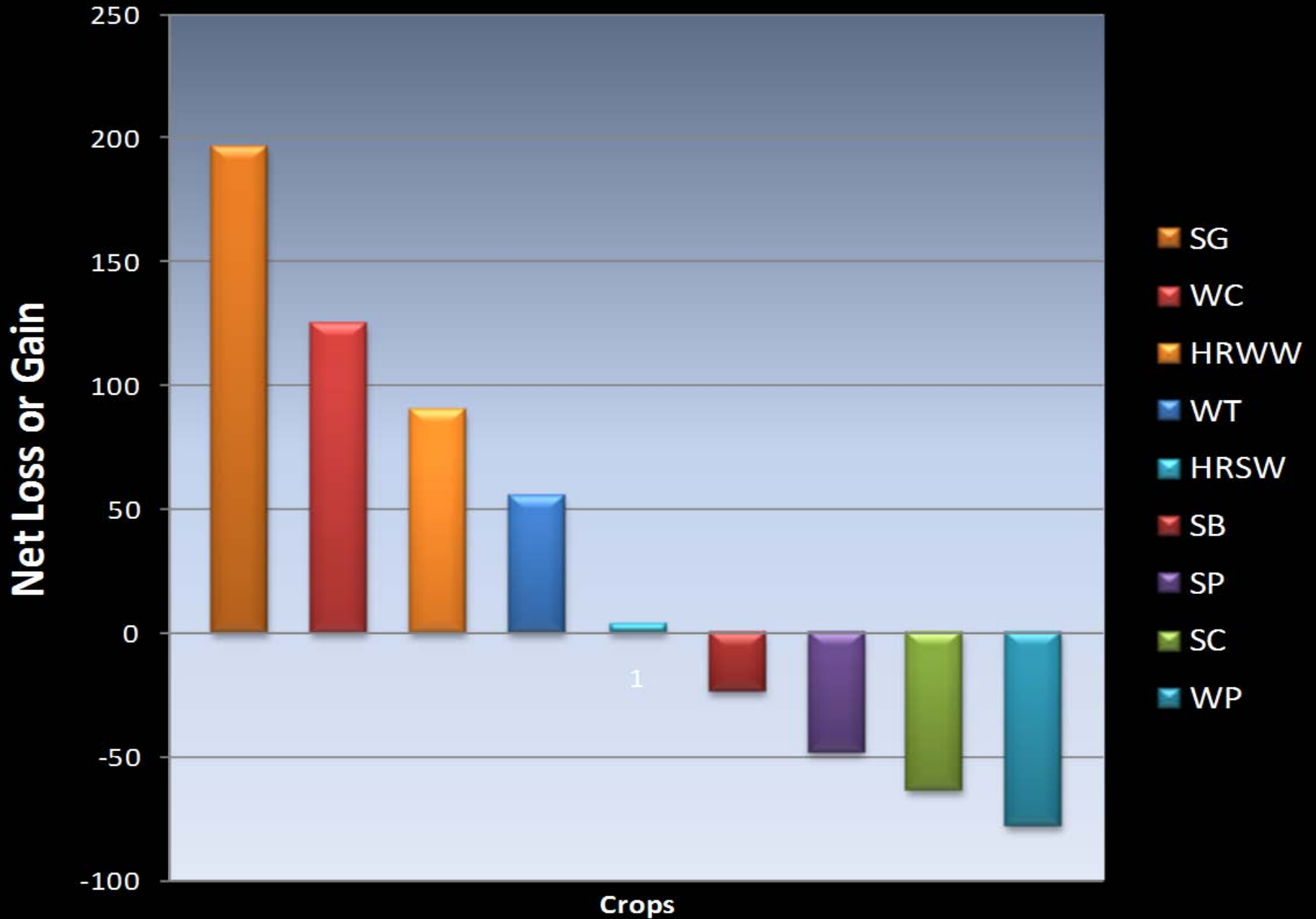




### Average Return over Variable Cost



# Returns over Total Costs



# First planting date (7/10/08)

Sampled on 10/27/08

Treatment	Leaf number / plant	Branch number /plant	Crown diameter (mm)	Leaf area (cm <sup>2</sup> /plant)	Plant height (cm)	Biomass (g/plant)
Control	15.56	5.2	6.80 a	134.3	8.99 A	2.54
Palisade high	16.63	5.9	8.25 b	173.2	9.23 AB	2.79
Trimmit high	17.29	5.8	9.15 b	159.4	10.16 BC	3.33
Palisade low					10.97 CD	
Trimmit low					10.66 CD	
Alpha			0.1		0.05	

**Yield (lbs/ac) Control: 1538b**

**Palisade: 1847b**

**Trimmit: 2311a**