

# 2005 Solution Days

## *Relay Crop*

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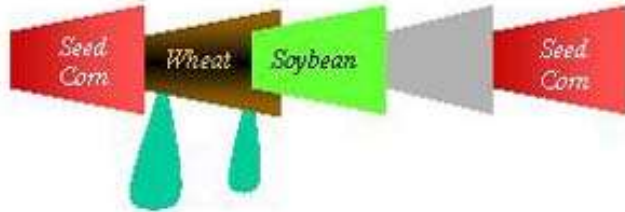
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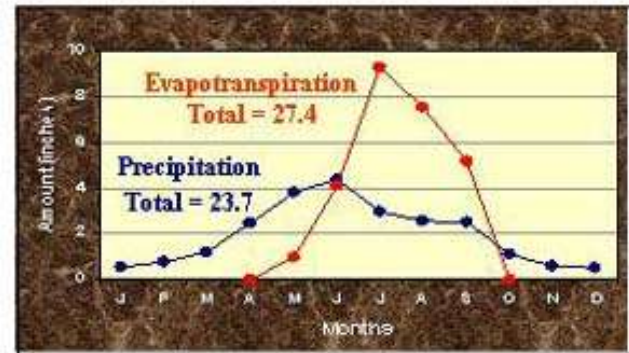
## Relay Cropping



Use wheat as a nitrogen and water scavenger

05cmdc-jasa001

## Irrigated Corn – SC NE



05cmdc-jasa002



05cmdc-jasa003



05cmdc-jasa004



05cmdc-jasa005



05cmdc-jasa006

## Relay Cropping Yields

Year	Wheat, bu/A	Soybeans, bu/A
2002	68	55
2003	74	45
2004	86	50

Soybean yields were 10-15 bu/A below C-S yields

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## Wheat Economics

Wheat Yield (75 bu/A @ \$3.00/bu)	\$225
Seed (90 lb/A @ \$6.00/bu)	9
Seeding (custom rate)	15
Starter (70 lb of 11-52-0 @ \$0.15/lb)	11
Sidedress N (0-195 lb of 46-0-0 @ \$0.18/lb)	0 - 34
Irrigation (6 inches @ \$3.00/inch)	18
Harvest (rental @ \$120/Ac)	17
<b>Net Return</b>	<b>\$ 121 - 155</b>
Soybean Yield Reduction (15 bu/A @ \$6/bu)	\$90

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05cmdc-jasa009

## **Relay Cropping Corn, Wheat & Soybeans**

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05soldays-relaycrop001

## **Keys to Relay Cropping**

- Center Pivot Irrigation
- Timely No-till Wheat Seeding
- Skip Rows for Light Penetration
- Lodging Resistant Wheat Variety
- Managing Tires/Tracks and Rows
- Timely No-till Soybean Planting
- Proper Wheat Harvest

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05soldays-relaycrop003

## Relay Soybean Management

- Similar seeding rate as full season soybeans
- Consider seed treatment to protect the stand
- Consistent depth, good seed-to-soil contact
- Control weeds early

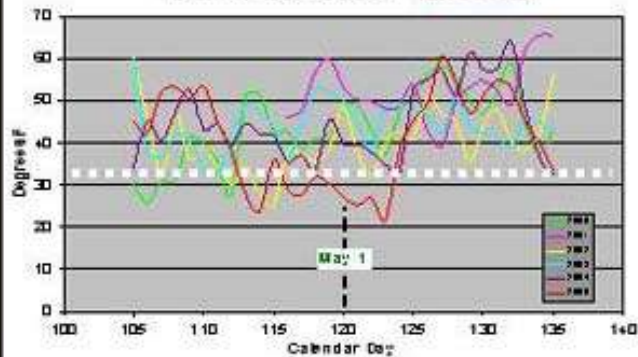
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## Soybean Variety Selection

- Full season to maximize vegetative growth
- Good stress tolerance
- Field tolerance to common seedling diseases
- Tall, intermediate/bushy canopy type

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### Low Temperatures (Shelton)



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