# PUMPED UP FOR PUMPKINS

the virtual pumpkin project





### MANAGEMENT GUIDELINES

Quantity: The most pumpkins grown
Quality: The best looking pumpkins

Yield: The greatest total weight of the pumpkins Profitability: The maximum virtual money made for pumpkins

#### VIRTUAL BUDGET

Upfront Cost: Pumpkin variety, Irrigation, Mulch, Fertilizer

Remaining Balances: Pick a plot, left over balance \$120-\$290

Pest & Disease Management: Pollination,

Orgainic Pesticide, Beneficials, Organic Fungicide

Weed & Irrigation: Labor, Irrigation

Other: Farm Advisor, micronutrients, fertilizer

boost, harvest crew

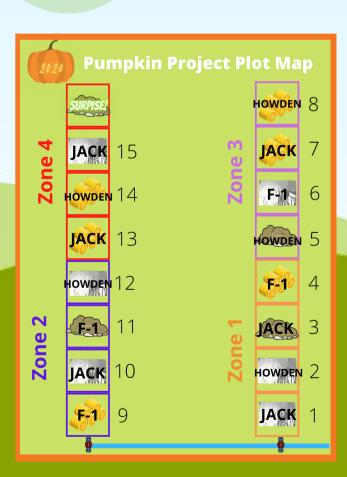




# LOAN AND CROP INSURANCE

Loans: Available if you run out of money, charged a 20% interest rate, payback based on profitability

Crop Insurance: A \$50 service fee covers damage from gophers, coyotes, floods





#### **CULTIVARS**

Jack O' Lantern: Medium size, round shape, 18-24 pounds, 3-5 pumpkins per vine

Howden Pumpkin: Ribbed texture, elongated shape, bright orange, 15-18 pounds, 4-6 pumpkins per plant

F-1 Harvest Jack: Medium size, round shape, dark orange, 22-28 pounds, 2-5 pumpkins per vine

### **MULCH**

Plastic Reflective Mulch: Repels insects, weed control, prevents pumpkin rot, conserves water

Straw Mulch: Soft bed for pumpkins, keeps pumpkins clean, retians soil moisture, prevents pumpkin rot, reduces weeds

No Mulch: No cost, might require weed control, might need extra water



## IRRIGATION DISTRICTS

Zone 1: Closest to the main water line and water valve

Zone 2: Close to the main water line and closer to the water valve

Zone 3: Far from the main line and water valve

Zone 4: Farthest from the main water line and water valve

### **FERTILIZER**

All plots received 13 pounds of Countdown 4-3-2 when beds were prepared.

UAN-32: Very potent fertilizer that is applied through fertigation

CAN-17: Not as potent but contains a secret ingredient- Calcium



Mulch:	Cost		Farm Services	Cost	
No mulch	\$	-	Plot weeding	\$	40.00
Straw	\$	60.00	Pollinating	\$	40.00
Reflective mulch	\$	100.00	Extra irrigations	\$	50.00
Cultivar:			Fertilizer Boost	\$	50.00
Howden	\$	30.00	Organic pesticide A	\$	15.00
Jack o Lantern	\$	40.00	Organic Pesticide B	\$	10.00
F-1 Harvest Jack	\$	60.00			
Primary fertilizer:			Conventional Pest.	\$	50.00
UN32	\$	70.00	Benefic. Insect	\$	10.00
CaN-17	\$	100.00	Micronutrient A	\$	25.00
Irrigation District:			Micronutrient B	\$	20.00
Zone 1	\$	150.00	Micronutrient C	\$	15.00
Zone 2	\$	140.00	Farm advisor call	\$	10.00
Zone 3	\$	110.00	Harvest Crew	\$	40.00
Zone 4	\$	100.00	Other	TBD	

