



Premium Quality. Certified Organic.

Who We Are Today

Who we are today:

- 100% organic producer of fresh fruit, herbs and vegetables.
- Crop Mix:
 - Baby leaf spinach, lettuces, and greens
 - Culinary herbs
 - Strawberries
 - Specialty vegetable items
 - Carrots
- Majority of our product is the baby-leaf items, which are harvested between 30-35 days after planting.
- Main farm area is in Central Arizona near Goodyear.
- Predominantly light textured soils.



How we irrigate today:

- Irrigate primarily with sprinklers and some drip.
- Mostly aluminum pipe sprinklers.
- We use some sensors for scheduling, but all pumps and valves are operated manually.
- All of our irrigation systems in Arizona are portable.
- We rely heavily on ground water for food-safe water when product is exposed.



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Reasons We Apply Water

Reasons we apply water:

- Irrigation water with or without other compounds like fertilizer.
- Temperature and humidity control. Example: frost control in open fields and humidity control in high tunnels.
- Lubricate soil to facilitate perfect tillage operations. Example: creating perfectly flat seed beds for baby-leaf product.
- To create compost, which, when applied to soil, can increase water and nutrient holding capacity and biological diversity.
- Control movement of salts in soil.
- Control dust.





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Water Conservation Practices

Water conservation practices:

1. High pressure mainline manifold irrigation systems with sprinkler valve openers located at preset distances.
2. Soil sensors to help determine optimum irrigation water amounts.
3. Plastic mulches and floating row covers to help conserve moisture and improve product quality.
4. Add organic matter to increase water and nutrient holding capacity in soil.
5. Crop selection. Mostly winter season crops.
6. Transplants instead of direct seeding when possible.
7. Controlled environment. Example: high hoops with clear plastic or shade cloth.





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Economic Drivers for Change



Economic drivers for change:

- Crop selection, yield and quality.
- Fertilizer and nutrient conservation in root zone, which also helps maintain water quality.
- Water conservation.
- Federal natural resource conservation programs
- Decreases soil hauled during harvest of root and tuber crops.
- Reduce amount of labor required for irrigation.



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Future Practices

What we think we will look like in the future:

1. Still be organic specialty crop producers.
2. Will irrigate with sprinklers and drip, but with fully automated system of wells, pressure compensating booster pumps and valve openers.
3. Plant and soil sensors will help automate irrigation events.
4. Sprinkler systems will convert to non-leak PVC pipes, but will remain portable.
5. Irrigation water will pass through a sanitation system to allow for the use of renewable and reusable water sources for food-safe water.
6. We will have more controlled environment systems like hoop houses and greenhouses.





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Thank You