

# The Central Coast of California is the Vegetable Capital of the US

Top vegetables by value:

Lettuce	Artichokes
Broccoli	Carrots
Celery	Kale
Cauliflower	Radicchio
Baby greens	Peas
Spinach	Asparagus
Mushrooms	Onions (green)

74% of lettuce produced in the US is from California

Value in Monterey County: \$3 Billion

# Central Coast Region Relies on Groundwater for Irrigation and Drinking Water



## How much water is needed to produce:

head of lettuce?



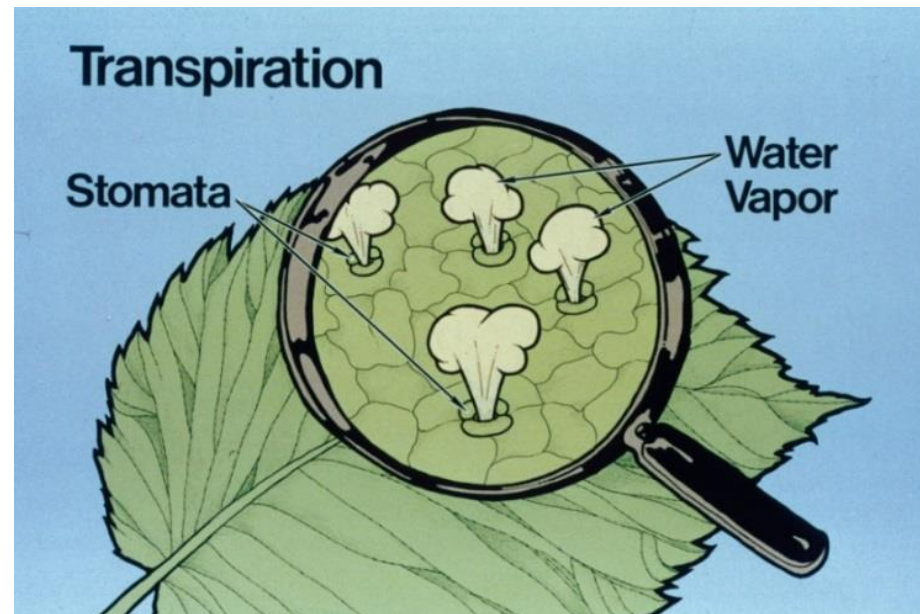
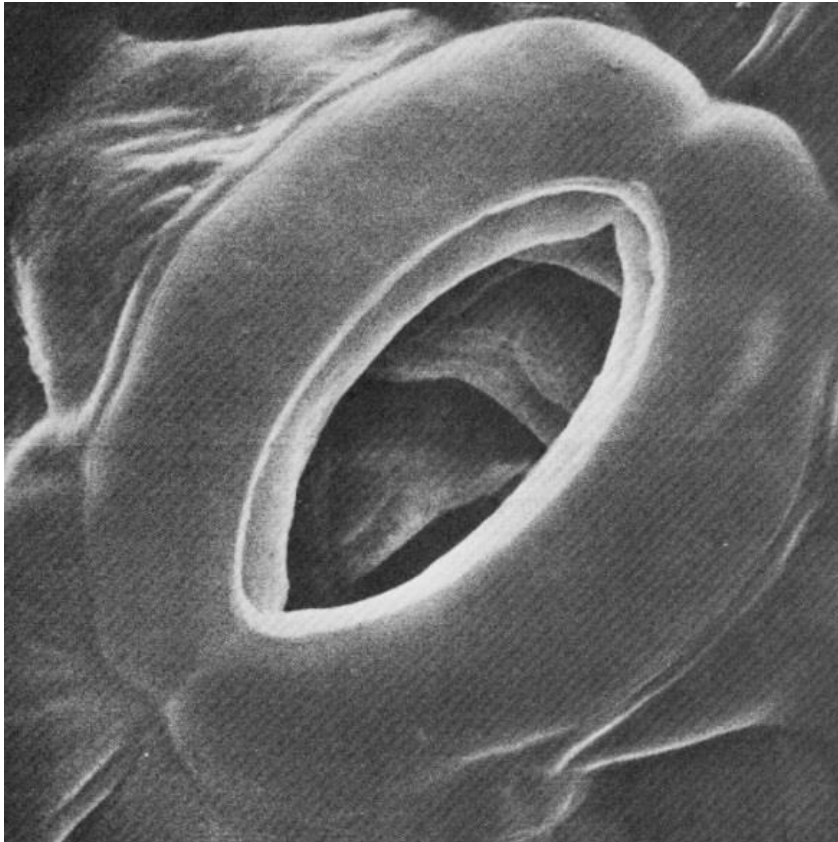
**13 gallons**

head of broccoli?

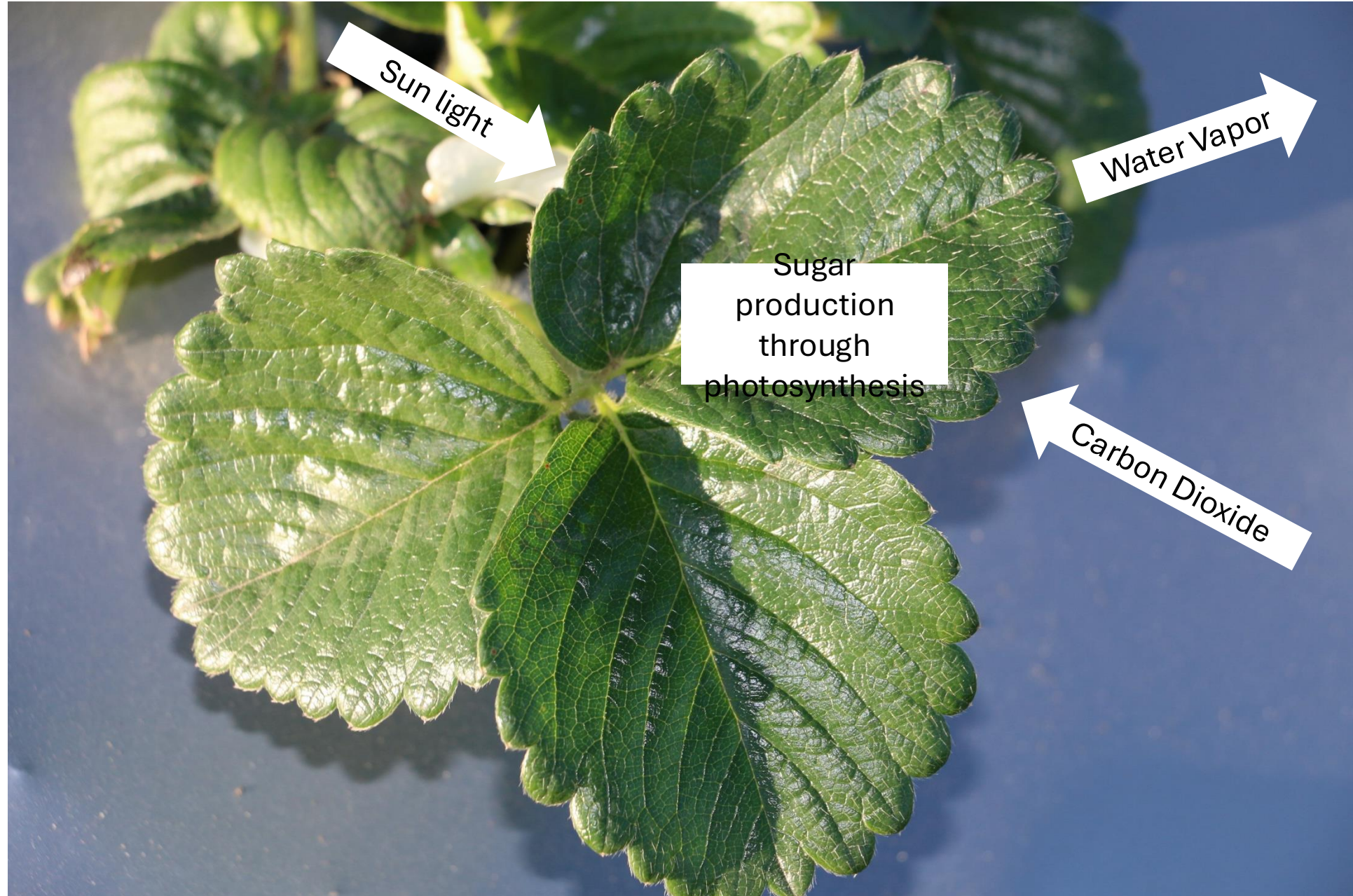


**20 gallons**

Transpiration occurs through the leaf stomata where water is lost as a vapor



# Transpiration is needed for sugar and dry matter production



# Salt toxicity in strawberry and lettuce



**Recycled water is used on about 17,000 acres along the coast**



# Drip has the potential for high application uniformity



- High application uniformity
- Water savings
- Efficient salinity management
- Improved fertilizer management
- Improved yield and quality

# Overhead sprinklers are needed for irrigating high density leafy vegetables

