Groundwater Balancing / Groundwater Banking
an On-Farm Strategy

Strategies of putting back into the ground an equal or greater amount of water taken out

A Drought Diet
Products company
Step 1
Reduce use

4-acre feet to grow my crop – need 4-acre feet to replace
2-acre feet to grow my crop – need 2-acre feet to replace
Step 2
Weather

Rain events will be associated with high volume:
- now tracking atmospheric river intensities

More rain than snow in mountains

Dam discharges fall and early spring
Step 3
Above ground design

Terrace to capture rain events
Step 4
Above Ground – Flood Banking

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Step 5
Subsurface irrigation – Cut evaporation
Step 6a
Subsurface Banking

Reverse Drain Tile

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Step 6b
Subsurface Irrigation & Banking

Smart Drain Tile
-Water banking anytime
Joseph Gallegos
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Drought Diet Products

Water Banking for Drought Years

Secure Supply Chain

SGMA Branding