

Make hay while the sun shines

Rob Stevens



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Resource – formation water

- 40 ML/day, ~ 35 ML/d with TDS < 800 ppm,
- One site 2 ML/d, a few sites 1 ML/d

Use – stock feed

- Crop water use 15 ML/ha/y
 - Summer 2.7 ML/ha/mth
 - Winter 0.6 ML/ha/mth
- Summer
 - 2 ML/d = 22 ha
 - 1 ML/d = 11 ha



Value \$

- Income/ha/y \$4,189
- Costs/ha/y
 - Equip depreciation & chemicals \$ 283
 - Irrigation pumping \$1,050
 - Mow, bale & cart \$2,132
- Profit/ha/y \$ 724

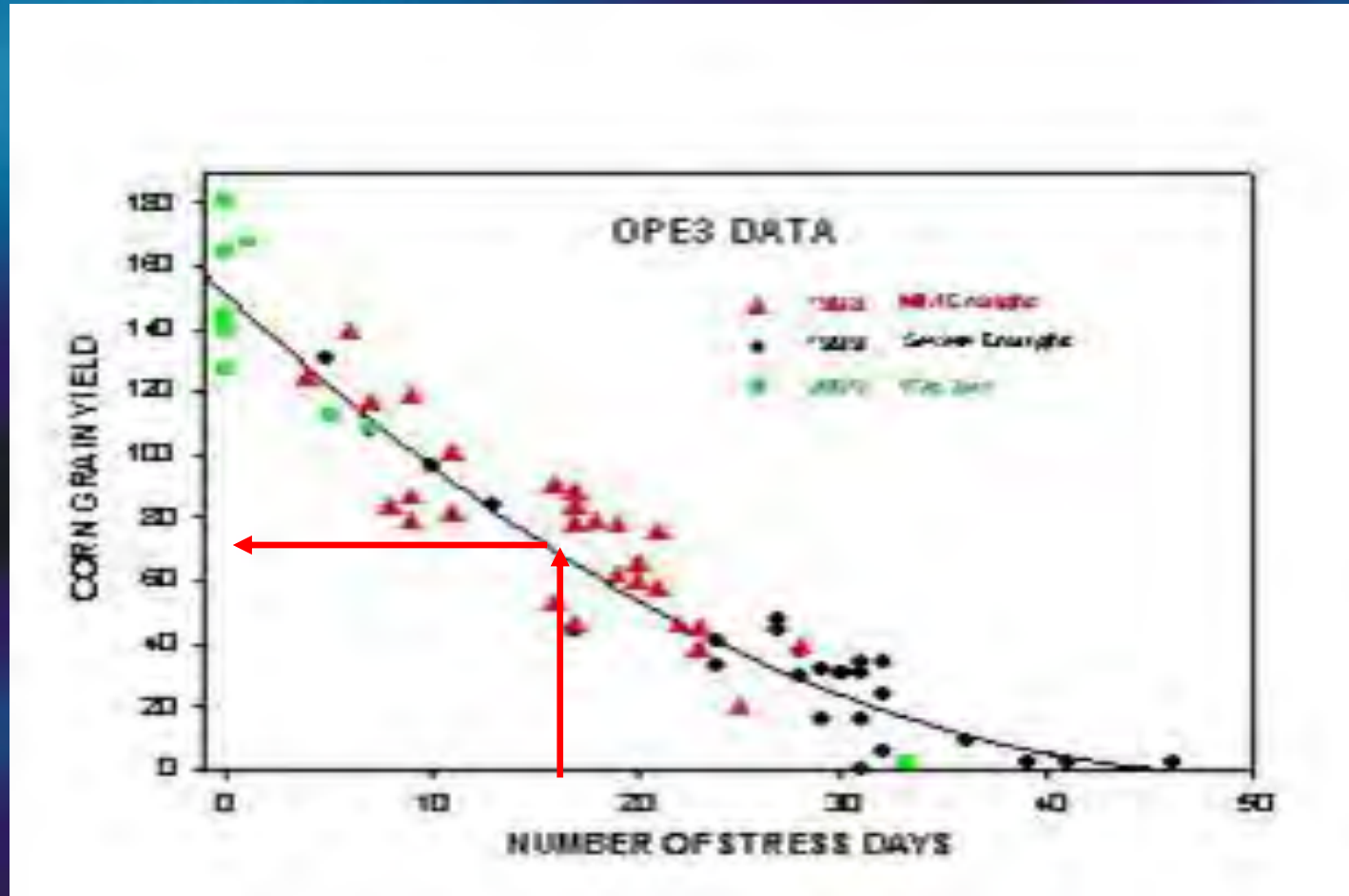
- 1 ML/d = \$8044/y 2ML/d = \$16089/y

Value added

- Liability becomes an asset
- Goodwill to pastoralist
- Solute containment under extreme weather events



Irrigation Management – growth vs water stress



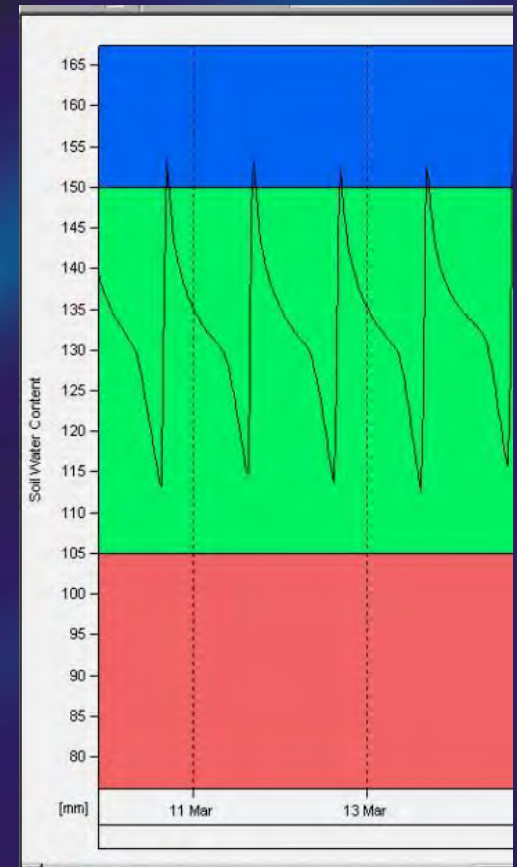
http://hydrolab.arsusda.gov/ope3/Summaries/fld_is007.htm



Sentek
technologies

Solutions for soil moisture and salinity management

- Sustain cropping in arid areas by avoiding stress
- High crop growth rate when soil water content is maintained between upper and lower bounds of plant available water
- Sentek produces automated soil water sensors and interpretative software
- Measurements can be monitored on the web anytime from anywhere



Adding value in irrigated cropping for 24 years

