

Master Hay Grower

Casper, WY February 6, 2014

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Alfalfa irrigation management, Factor of:

- Soil moisture
 - Texture
 - Available water holding capacity
- Crop water use
 - 4 ft rooting depth
 - 50% soil moisture depletion
- Climatic factors
 - Reference evapotranspiration
- Pivot irrigation management: Checkbook method
 - Soil texture
- Crop type, rooting depth and water use
- Available water-holding capacity of the soil
- Minimum allowable balance
- Estimate of current soil water balance.
- Flood irrigation management
 - Stream size
 - Gross application
 - Cutoff ration

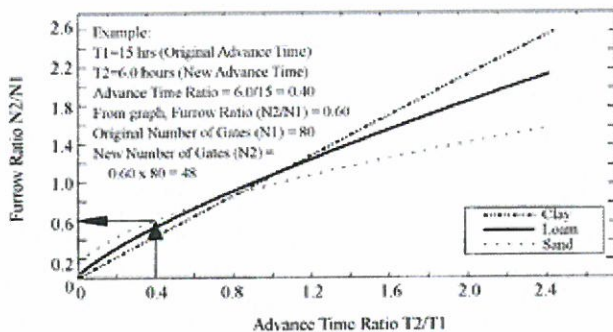


Figure 1: Graph for determining proper set size.

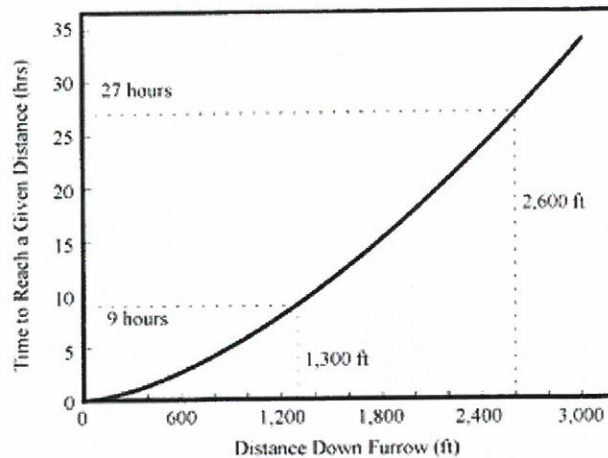


Figure 2: An example of how quickly water travels down a furrow.

- Flood to pivot considerations?

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- Irrigation resources