



California Grazing Academy  
**CALIFORNIA GRAZING  
 ACADEMY FORMULAS**



$$\text{GRAZE PERIOD} = \frac{\text{REST PERIOD}}{\# \text{ PADDOCKS RESTING}} \times \text{QUALITY FACTOR}$$

# PADDOCKS RESTING

- NUMBER OF PADDOCKS – NUMBER OF HERDS
- ONE HERD IN THE GRAZING CELL = NUMBER OF PADDOCKS - 1
- TWO OR MORE HERDS IMMEDIATELY FOLLOWING ONE ANOTHER =  
 • NUMBER OF PADDOCKS – NUMBER OF HERDS
- TWO OR MORE HERDS USING ALL PADDOCKS BUT EQUALLY  
 SEPARATED BY TIME
- (NUMBER OF PADDOCKS / NUMBER OF HERDS) - 1

$$\text{QUALITY FACTOR} = \frac{\text{PADDOCK QUALITY RATING}}{\text{AVERAGE QUALITY OF ALL PADDOCKS}}$$

$$\text{PADDOCKS REQUIRED} = \frac{\text{REST PERIOD}}{\text{GRAZE PERIOD}} + 1$$

$$\text{STOCK DENSITY} = \frac{\text{HEAD}}{\text{ACRE}}$$

$$\text{PADDOCK SIZE FOR DESIRED STOCK DENSITY} = \frac{\text{NUMBER OF ANIMALS}}{\text{DESIRED STOCK DENSITY}}$$

$$\# \text{ OF PADDOCKS FOR DESIRED STOCK DENSITY} = \frac{\text{NUMBER OF ACRES}}{\text{PADDOCK SIZE FOR DESIRED STOCK DENSITY}}$$