The Crop Rotator

April 2022

COTTON PLANTING

This week's cotton planting forecast is optimal. We have current soil temperatures above 65°F at all of our Pinal County weather stations and a 7-day forecast predominated by high temperature in the 90's and lows in the upper 50's. The last of the windy conditions will blow through today and tomorrow with slightly reduced temperatures which will quickly rebound for the rest of the week.

We are forecast to have 40+ mph gusts today which could bring some detrimental effects to your young emerged cotton. We saw wind battered cotton seedlings in 2019 that led to many split terminals extending the vegetative growth period of the cotton crop. We also saw many fields that were completely blasted away by blowing sand. Check emerged fields as soon as possible for any impacts from this wind.

The windy conditions may have caused soil drying in pre-irrigated fields. Double check soil moisture before planting the ensure an optimal seed bed for germination.

4/12/22 Cotton planting conditions	
Optimal	
Soil Temperature rating	
OPTIMAL	65°F or higher
GOOD	60°F-65°F
Marginal	55°F-60°F
POOR	below 55°F
Soil Temp 8am on 4/5	
MAC Station	**67°F**
Coolidge Station	**72°F**
Tucson Station	**61°F**
Queen Creek	**71°F**

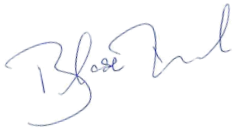
AZMET can be found at the following link AZMET : The Arizona Meteorological Network - The University of Arizona.

A GOOD COTTON PLANTING FORECAST: PINAL COUNTY

- https://cals.arizona.edu/azmet/Good%20Planting%20Forecast%20Pinal.pdf

PLANTING DATE MANAGEMENT

- https://extension.arizona.edu/sites/extension.arizona.edu/files/pubs/az1202-2015.pdf



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SOIL HEALTH NEED ASSESSMENT SURVEY:

Soil Health is a major concern in the arid climates of southwestern United States due to extreme climate conditions and scarcity of water. Assessment of soil health has been considered as a key factor in enhancing sustainability in the diversified agricultural production systems of the southwest. However, more information regarding 'specific' needs is necessary for successful soil health assessment and management in the arid climates of southwestern United States.

Please participate in a Need Assessment Survey to help **University of Arizona Soil Health Team** building a comprehensive program developing better management practices that benefit **soil health**. The UArizona Cooperative Extension soil health research and extension team will use the information to prioritize potential opportunities for applied research and education. Various media will be used to disseminate relevant information on **soil health status** in the desert agricultural systems.

This survey will take 10-15 minutes to complete.

If you have any questions regarding this survey, please contact **Dr. Debankur Sanayal** dsanyal@arizona.edu.

The University of Arizona Soil Health Team thanks you, in advance, for taking this survey.