

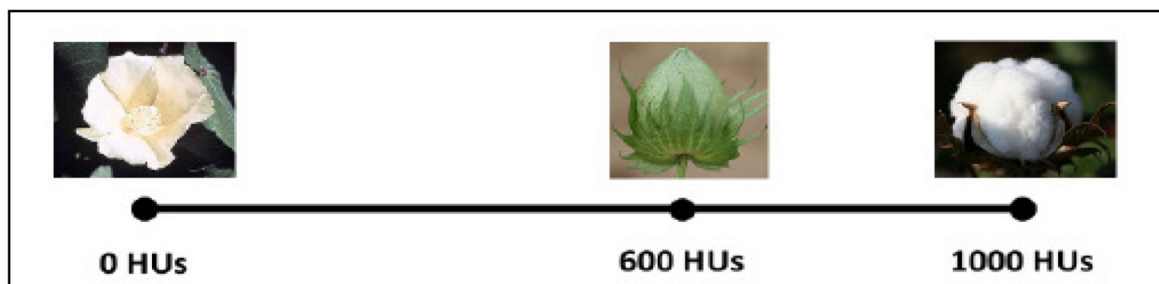
The Crop Rotator

COTTON HARVEST

Early next week, the weather patterns will begin to change and temperatures will be closer to seasonal averages in the high 80's and low 90's. This temperature change will be led by a low pressure system that will bring windy conditions through Monday. Heat unit accumulation and the ability to have an effective defoliation will begin to decline as days get cooler and shorter. Hard green bolls that are mature this week in Pinal & Pima Counties will not open until approximately the 2nd week of November. Traditionally, we get some precipitation, even in dry years, in the latter part of November. Having finished picking by the time any precipitation moves into the area, will yield the highest lint and seed quality for your crop.

The table below provides information to estimate boll maturity.

Boll Maturity Estimates



Location	Flower Date													
	Aug 12		Aug 19		Aug 26		Sep 2		Sep 9		Sep 16		Sep 23	
	Mature	Open	Mature	Open	Mature	Open	Mature	Open	Mature	Open	Mature	Open	Mature	Open
Aguila	Sep 5	Sep 24	Sep 13	Oct 3	Sep 21	Oct 13	Sep 30	Oct 28	Oct 10	Nov 19	Oct 20	NA	Nov 4	NA
Buckeye	Sep 3	Sep 18	Sep 10	Sep 27	Sep 18	Oct 6	Sep 26	Oct 17	Oct 5	Oct 30	Oct 15	Nov 16	Oct 26	Dec 19
Coolidge	Sep 5	Sep 23	Sep 12	Oct 1	Sep 21	Oct 11	Sep 29	Oct 24	Oct 8	Nov 8	Oct 19	Dec 2	Oct 30	NA
Harquahala	Sep 3	Sep 20	Sep 11	Sep 29	Sep 19	Oct 9	Sep 28	Oct 22	Oct 7	Nov 7	Oct 18	Dec 2	Oct 31	NA
Marana	Sep 5	Sep 22	Sep 12	Sep 30	Sep 21	Oct 11	Sep 28	Oct 20	Oct 7	Nov 4	Oct 16	Nov 22	Oct 28	Dec 30
Maricopa	Sep 4	Sep 20	Sep 11	Sep 29	Sep 19	Oct 8	Sep 27	Oct 19	Oct 6	Nov 3	Oct 16	Nov 23	Oct 27	NA
Mohave Val.	Sep 4	Sep 21	Sep 12	Oct 1	Sep 20	Oct 11	Sep 29	Oct 24	Oct 8	Nov 9	Oct 19	Dec 9	Oct 31	NA
Paloma	Sep 3	Sep 19	Sep 11	Sep 28	Sep 19	Oct 7	Sep 27	Oct 18	Oct 5	Oct 31	Oct 15	Nov 19	Oct 26	Dec 24
Parker	Sep 2	Sep 20	Sep 11	Sep 28	Sep 19	Oct 7	Sep 27	Oct 18	Oct 6	Oct 30	Oct 15	Nov 16	Oct 25	Dec 16
Queen Ck.	Sep 4	Sep 21	Sep 12	Sep 30	Sep 21	Oct 11	Sep 29	Oct 23	Oct 8	Nov 7	Oct 18	Nov 24	Oct 29	NA
Roll	Sep 3	Sep 18	Sep 10	Sep 27	Sep 18	Oct 5	Sep 26	Oct 16	Oct 4	Oct 28	Oct 14	Nov 14	Oct 25	Dec 18
Safford	Sep 8	Sep 29	Sep 16	Oct 10	Sep 25	Oct 23	Oct 4	Nov 11	Oct 15	NA	Oct 28	NA	Nov 11	NA
Yuma Val.	Sep 2	Sep 17	Sep 10	Sep 25	Sep 17	Oct 3	Sep 25	Oct 13	Oct 3	Oct 18	Oct 12	Nov 6	Oct 21	Nov 23

NA: Projected Boll Opening Date is After December 31.

Approximately 600 HUs are required after flowering for a boll to reach physiological maturity (hard green boll). An additional 400 Hus are required for the boll to open. The table below provides expected boll maturity and opening dates for selected late season flower dates based on normal HU accumulation. If the warm fall forecast comes to fruition maturity may accelerate by a few days.

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NONDORMANT ALFALFA VARIETIES FOR ARIZONA 2020

Mike Ottman Specialist, Plant Science



Alfalfa varieties differ in fall dormancy, defined as growth during the fall. Nondormant alfalfa varieties are usually planted in mild winter areas for their ability to grow in the fall. However, fall growth of nondormant alfalfa may be undesirable in areas subject to repeated frosts or freezes. Nondormant, very nondormant, and extremely nondormant alfalfa varieties (fall dormancy class 8, 9, and 10) are adapted to elevations below 4000 feet in Arizona. Other dormancy classes, not included in this publication, are moderately nondormant varieties (fall dormancy class 7) which may be grown from 3,000 to 5,000 feet, and semi-dormant and dormant varieties (fall dormancy 6 and below) which are adapted to colder winter areas above 4,000 feet.

To view the entire selection guide below click the link below.

<https://extension.arizona.edu/sites/extension.arizona.edu/files/pubs/az1267-2020.pdf>

GUAYULE FIELD DAY

This year the collaboratively-supported Guayule Field Day will be held virtually on **Thursday, October 15th**. While we won't actually be in the field, we will be discussing the exciting breakthroughs in the field of guayule production. Bridgestone researchers will give us updates on the future of guayule and agronomic improvements being made to grow the crop. University of Arizona Cooperative Extension Entomologist Dr. Peter Ellsworth will discuss strategies for controlling early season insect pests of this desert shrub. SBAR research on weed control during guayule establishment and guayule crop budgets and economic farm analysis will round out the program.

We invite everyone interested in desert agriculture to join our Zoom meeting and learn more about this intriguing crop and how it could soon be part of your crop rotation.

Click here for the [Agenda!](#) / **3 CEUs Approved!!**

Register today! <https://forms.gle/kJ2QoW9HkjrV5pcR8>

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THE UNIVERSITY OF ARIZONA

Cooperative Extension

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Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting (UA, Cooperative Extension, Pinal County at 866.836.5221).

Requests should be made as early as possible to allow time to arrange the accommodation.

Trade names used in this publication are for identification only and do not imply endorsement of products named or criticism of similar products not mentioned.

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Arizona Pesticide Applicator Pre-Certification Training 3 Day On-line Short Course

The Maricopa County Cooperative Extension and the Arizona Department of Agriculture will provide a **FREE 3-Day Pre-Certification Training** for people preparing for the National Pesticide Applicator Certification Core Exam for agricultural and structural certifications.

This live Zoom training will be delivered on October 26th, 28th and 30th from 8:00 a.m. – 10:00 a.m.

CLICK HERE for the 2-page registration flyer that contains additional information, an agenda, and the link to the pre-registration webpage.

Thank you and please don't hesitate to contact me, if you have questions.

Jennifer Weber

Pesticide Safety Education Program
Maricopa County Cooperative Extension

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**Mark your calendar for another
UArizona Cooperative Extension Field Crops
ONLINE Event**

The 10th Annual Central Arizona Farmer Field Day

- **When:** Wednesday, October 28th, 2020
- **Where:** Via Zoom (Link and registration coming soon)
- **Who should attend:** Growers, PCAs, Ag industry representatives and anyone interested in field crops in Arizona

Topics Include:

Agronomic and pest management aspects of field crops. We are planning livestream and/or recorded video to show results from current research conducted by UArizona Cooperative Extension Ag team faculty.

Agenda Coming Soon / CEUs will be applied for