



Peach Thinning March 10, 2021

Philip Schwallier
District Horticultural Agent, Retired
Michigan State University

ACC Thinning

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Chemical Thinning Stone Fruit

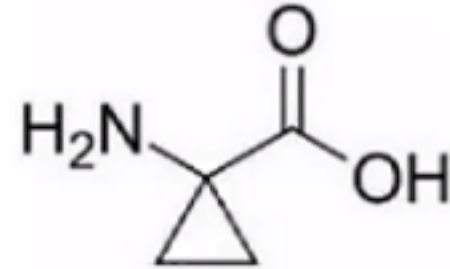
- Peaches.
- Plums.
- Sweet Cherries.

- Promises to greatly improve thinning.
 - Reduce Costs
 - Improve Quality





ACC



- 1-Aminocyclopropane carboxylic acid.
- In all plants.
 - Naturally occurring non-protein amino acid.
 - Immediate precursor to ethylene.

Peach ACC Thinning 2019

Rasch Family Orchards

#	Tmt	Early Pink May 6	+7 Days May 13
1	UTC		
2	ACC 300	300	
3	ACC 600	600	
4	300+300	300	300
5	600+300	600	300

All Sprays include **Regulaid** at 6 oz/100

Pink May 6 2019



May 13 2019



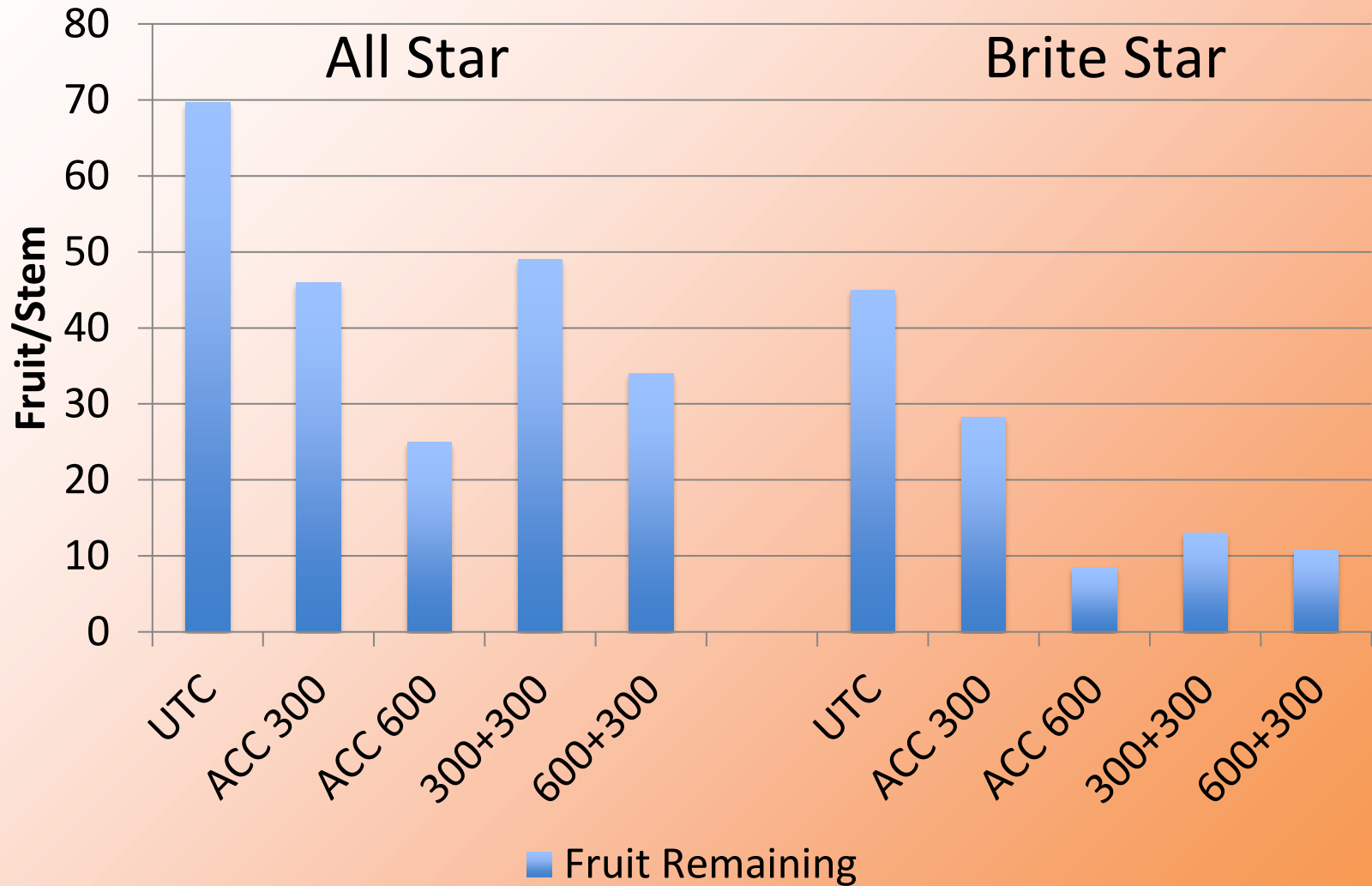


BriteStar
5/13/19
ACC Thinning Trial

A photograph of a forest floor. The ground is covered with brown, fragmented soil and patches of green moss. Several small, pink, star-shaped flowers are scattered across the surface. A black, cylindrical pipe or tube runs diagonally across the lower portion of the frame. The text 'BriteStar 5/14/19 ACC Thinning Trial' is overlaid in yellow with a black outline in the bottom right corner.

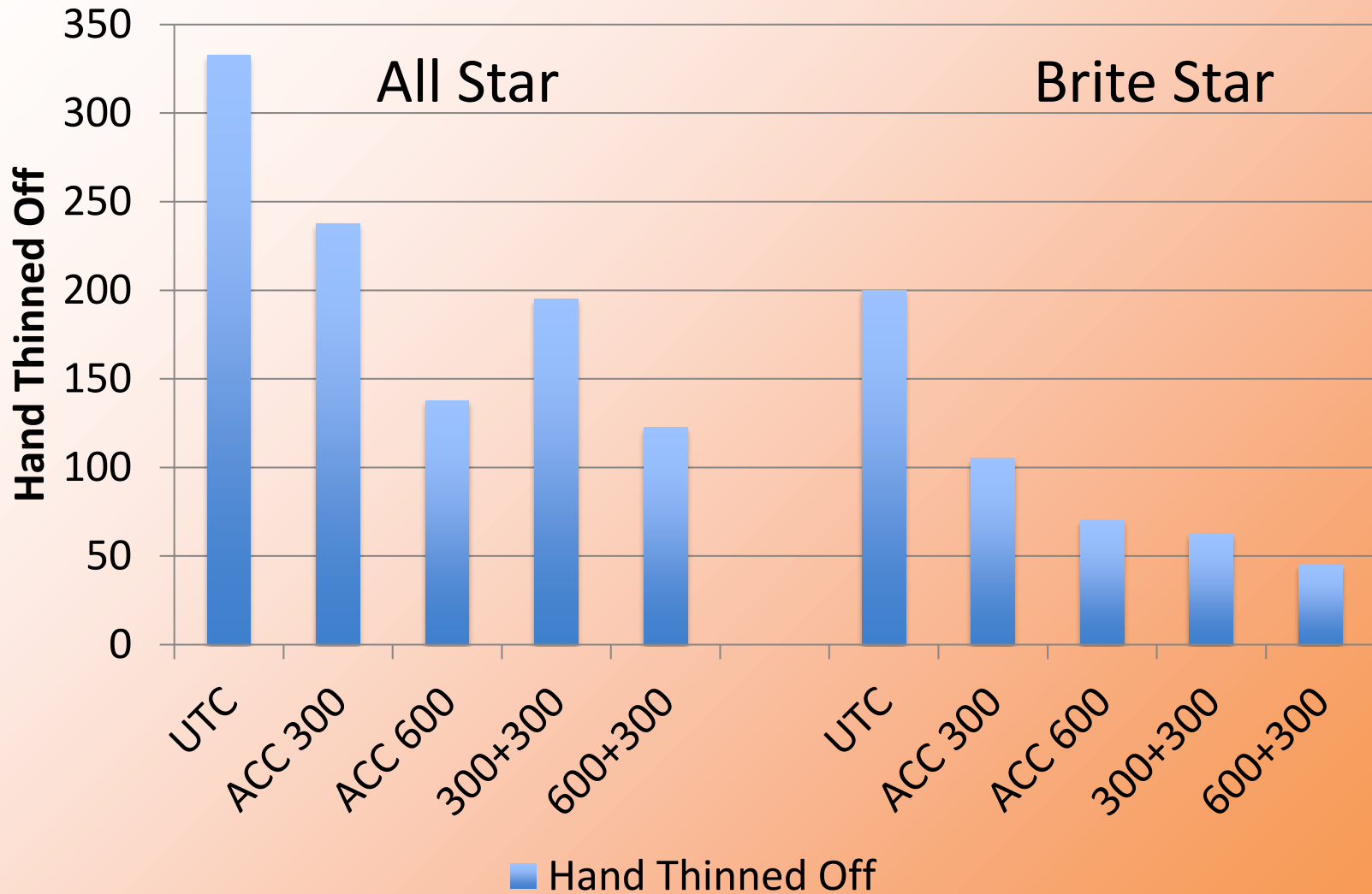
BriteStar
5/14/19
ACC Thinning Trial

Peach ACC Thinning Trial 2019



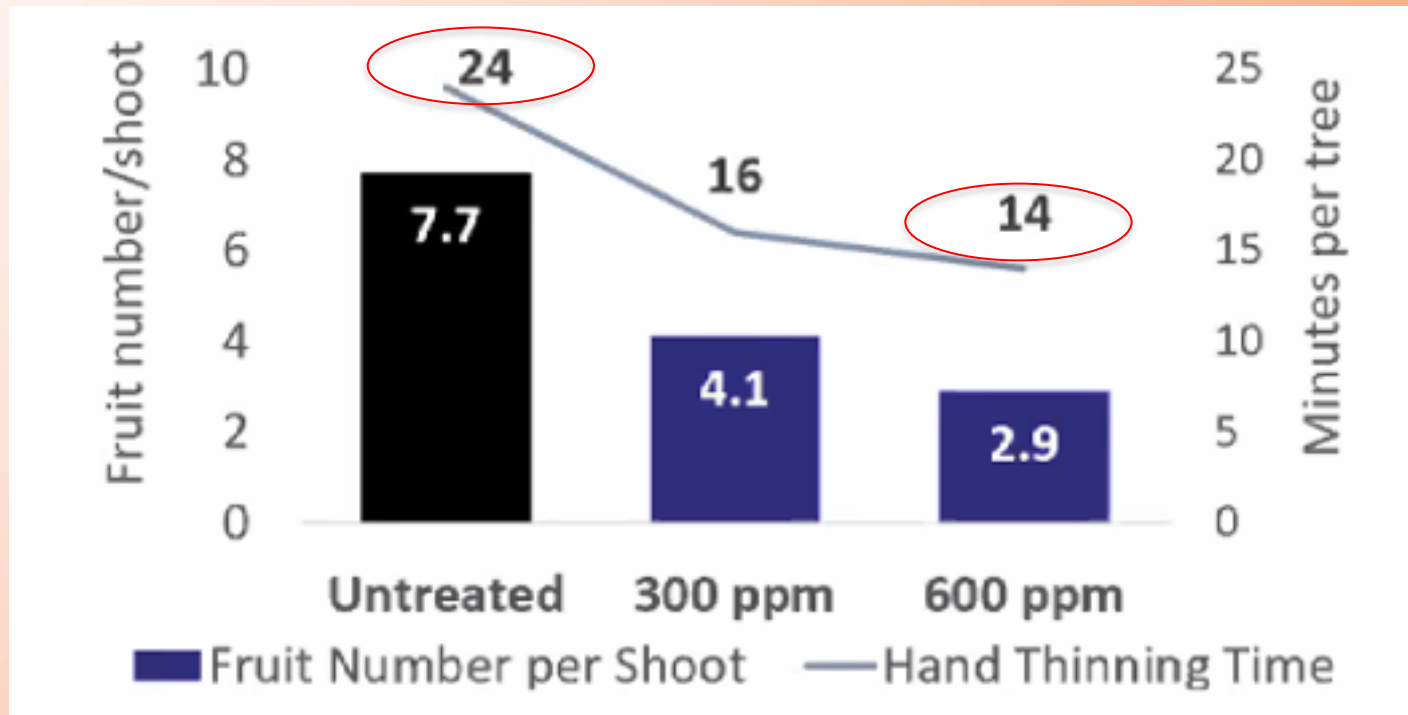
All Sprays include Regulaid at 6 oz/100

Peach ACC Thinning Trial 2019



All Sprays include Regulaid at 6 oz/100

Time to hand thin Peaches Treated with Accede



Hand Thinning June 27 2019

Brite Star

UTC



Hand Thinning June 27 2019

Brite Star

Tmt 5 ACC 600+300





UTC



UTC

Accede





Accede

UTC

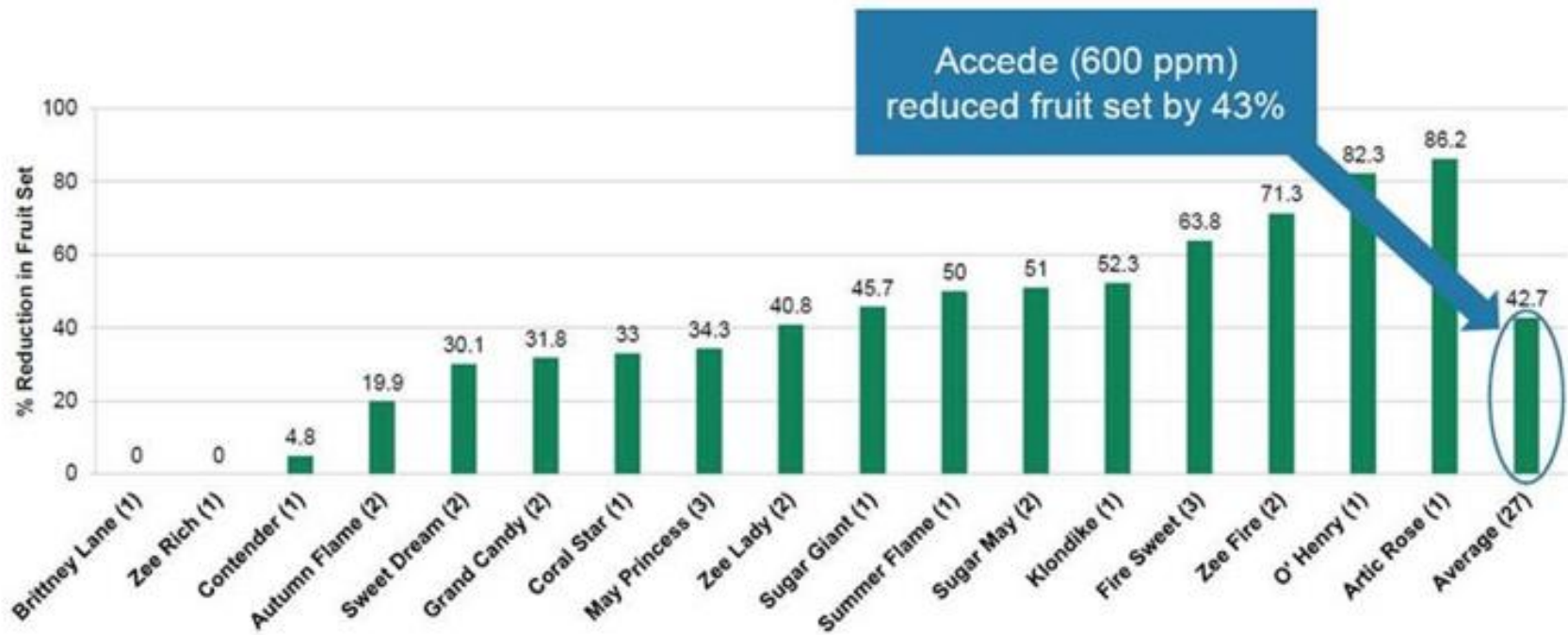


UTC 2 DAT



ACCEDE 300 ppm 2 DAT

Accede™ PGR: Peaches & Nectarines Thinning



Reduction in Fruitset



Summary

- Some mild leaf phytotoxicity and leaf drop, it was unlikely to be commercially important.
- Accelerates flower senescence.
- Flowers will go from balloon stage to petal fall very quick.
- Flower petals may start dropping within 2 days of application.
- Wide varietal sensitivity.
- Younger trees tend to be more sensitive.
- Accede has no negative interactions with hard water.

Summary

Peaches

- 2 applications Accede at 300 ppm @ 20% Bloom and again 2 to 4 days later. (34 oz/100)

or

- 1 application of Accede @ 600 ppm @ full bloom. (69 oz)

Plums are more sensitive

- Use 150 to 450 ppm. (15 oz to 71 oz)



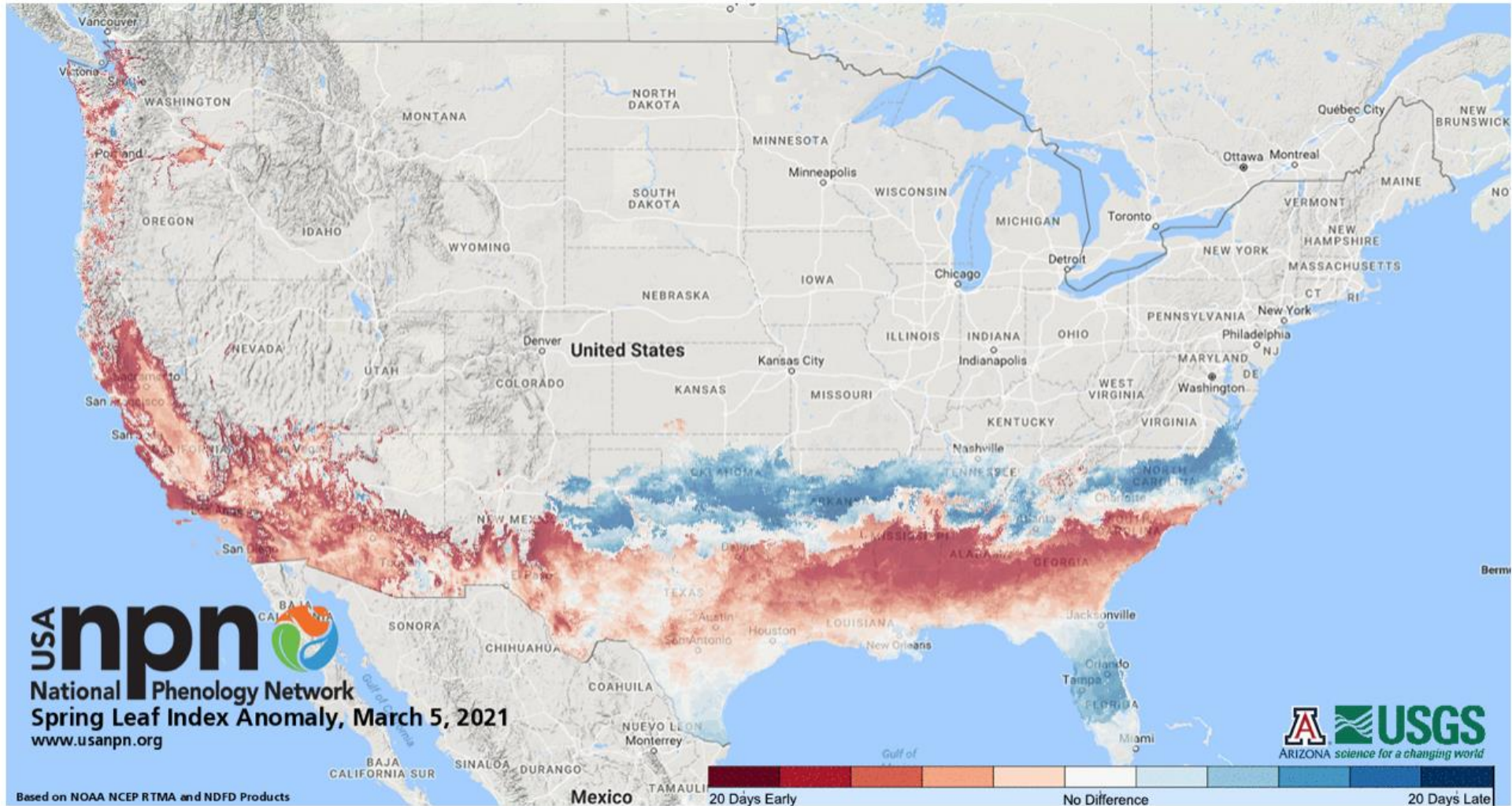
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Thank you!

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USA npn 

National Phenology Network
 Spring Leaf Index Anomaly, March 5, 2021
www.usanpn.org


 ARIZONA science for a changing world

Based on NOAA NCEP RTMA and NDFD Products

20 Days Early No Difference 20 Days Late