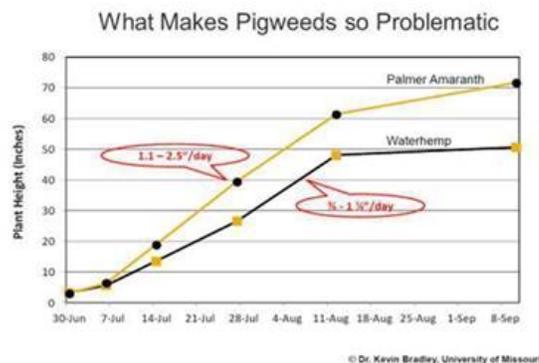


## "Accessing Innovation"

### Problematic Palmer Amaranth

Palmer amaranth competes aggressively with crops, and it has a fast growth rate, as evidenced by the chart below. It can grow over 2 inches per day! It can reach heights of 6-8 feet, and if left unchecked, can greatly inhibit plant growth.



Other facts:

- 250,000 seeds per plant, viable for 4 years
- There are 18 growing points on a 2-inch plant, doubling every inch
- 1 plant can contain over 1 million seeds

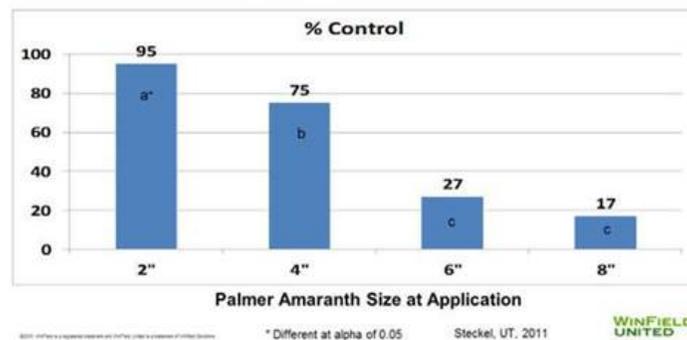
Palmer amaranth emerges later than many summer annual weeds and continues to emerge throughout the growing season, so it can be difficult to control these plants through preemergence and nonresidual postemergence applications.

Then, glance at the chart below... Your weed control can drop from 95% to 75% in 24 hours, and down to 27% in 48 hours. This shows the importance of utilizing overlapping residual, the second pass is about 21 days later, so the weeds never come up in the first place. Also, using a drift/deposition product like InterLock or OnTarget will help get better coverage, meaning better weed control in your fields.

Palmer Amaranth Management Tips:

1. Start Clean! Make sure that plants are controlled with an effective burndown herbicide prior to planting.
2. Effective preemergence herbicides are essential.
3. Timely postemergence herbicide applications. It is vital to time applications properly!

## Timing of Application is Critical



## Grain Market Update

The USDA released its March S&D numbers, and it presented some surprises. Corn carryout printed below the lowest trade guess with a significant bump to exports and also an increase in usage of ethanol. Soybeans, on the other hand, add bushels to its carryout number as exports continue to decline. Domestic crush did see a slight increase.

There are a lot of balls in the air at the moment. The recent order by President Trump to place tariffs on imported steel and aluminum is creating many questions as to how China and other countries may retaliate. The Chinese are known to put out news that works in their favor. I would be cautious in your marketing decisions, knowing things can change at any moment. Ask sorghum growers about that after they encountered a \$0.50 to \$1.00 drop in basis overnight a month ago after China announced an anti-dumping and anti-subsidy investigation on US imports. NAFTA discussions also continue to create uncertainty. Having all these headlines going and also looking at a weather market in South America we are experiencing volatility we have not seen in a couple of years.

As I eluded to in the last paragraph, be certain to looking at your marketing decisions closely. With the recent volatility, we are at prices we have not seen for awhile, and frankly, at levels many did not expect to see. Not saying they can't go higher but getting bushels locked in can't be a bad thing. We have seen producers reward this rally very well, both old and new crop. If the current prices can show a profit to your operation let's continue to add coverage as we have no idea what tomorrow may bring.

## In-Season Insights: Tissue Sampling

Tissue sampling informs us on the nutrient deficiencies happening in your fields. You get your tissue sampling results, but do you know what the numbers represent and what decisions need to be made following that information? This information is the starting point for your plant's health, combined with other diagnostic information like soil sampling results and your in-season observations; all this combined can drive the best management practices for your field.

Crop yield can only be as good as the limiting agent, or in this case the limiting nutrient. Using your tissue sampling results will be beneficial in helping your crops reach their full potential. Reviewing the sampling report with your agronomist is crucial, to ensure that the recommendations are exactly what that crop needs at the present growth stage.

There is plenty of value in utilizing a proactive, rather than reactive approach to managing your fields. We hear this time and time again, but using data to help drive your decisions can help you understand the needs of your fields, and create a better return on investment. Reviewing trends over time can help you understand other agronomic needs. Tissue sampling results give you an idea of your plant's needs, but ultimately it is up to you and your agronomist to determine what is the best way to increase your yields.



Visit our Website

Ag Partners Cooperative | [708 South 10th Street, Hiawatha, KS 66434](#) | (785) 742-2196

See what's happening on our social sites:

