California Rice Research Board

Issue #34, Spring 2016

Rice Weed Chart

It has been a while since Albert Fischer published the chart that helped you untangle the rice weed susceptibility interactions. As you know, the landscape keeps changing as more weeds become resistant to various weed control materials. Because of this continual change, it is important to keep abreast of these changes.

Kassim Al-Khatib, the new weed specialist who replaced Dr. Fischer, has updated the chart. I have included it on page three so you can keep it in the pickup. You can also download this newsletter on the website (carrb.com) if you would rather have it on your tablet.

A few notes on the chart. The mode of action is listed down the left side and the weed groupings across the top. To the right of the mode of action is the product name and then how the material performs with the listed weeds. Note that the chart shows if there will be control, partial control or no control. It also shows if there is widespread resistance or a growing resistance problem. Lots of detail on this chart.

That takes care of the left side of the chart. If you follow the mode of action column down to "ALS inhibitors" and follow the arrows, you will notice that the entire right side of the chart is devoted to ALS inhibitor materials. Same layout as the left side, there was not adequate room for all the ALS materials.

This is a great tool to analyze the efficacy of a weed control material you are considering. I hope you will find it valuable.

Testing Herbicide Resistant Weeds

Dr. Al-Khatib has also implemented a new way of reporting to those growers who submit suspected herbicide resistant weed samples (shown as Herbicide Resistance Testing Form on page 2). When a grower requests testing of a weed sample, it is tested for the herbicide the grower requested. The testing does not stop there. Expanded testing is performed so that the response to all other herbicides that have an activity on that particular weed are documented (My Herbicide Options Chart on page 2). With that document, the grower will have the opportunity to know if they have resistance to the herbicide they are using and also what other types of resistance occurred in the weed sample. With this information the grower will be able to avoid wasting money on herbicides that will not control the problem weed. In addition, the new testing will give you information on what could work during the next season.

UC Rice On-Line

One of the resources you may have missed is the expanded UC Rice On-Line website - RICE.UCANR.EDU. A great many new features have been added to this redesigned site that you may find useful. Let me highlight some of the newest items.

Degree day model – By selecting a CMIS station, your variety and a planting date, this application will calculate the dates for PI, 50% heading, and maturity (for field draining).

Phosphorus Budget and Application Calculator – by entering the average grain yield and fertilizer added over a five year period, you will receive the phosphorus balance (positive or negative). Further entries will help you determine the amount and timing of P you should apply.

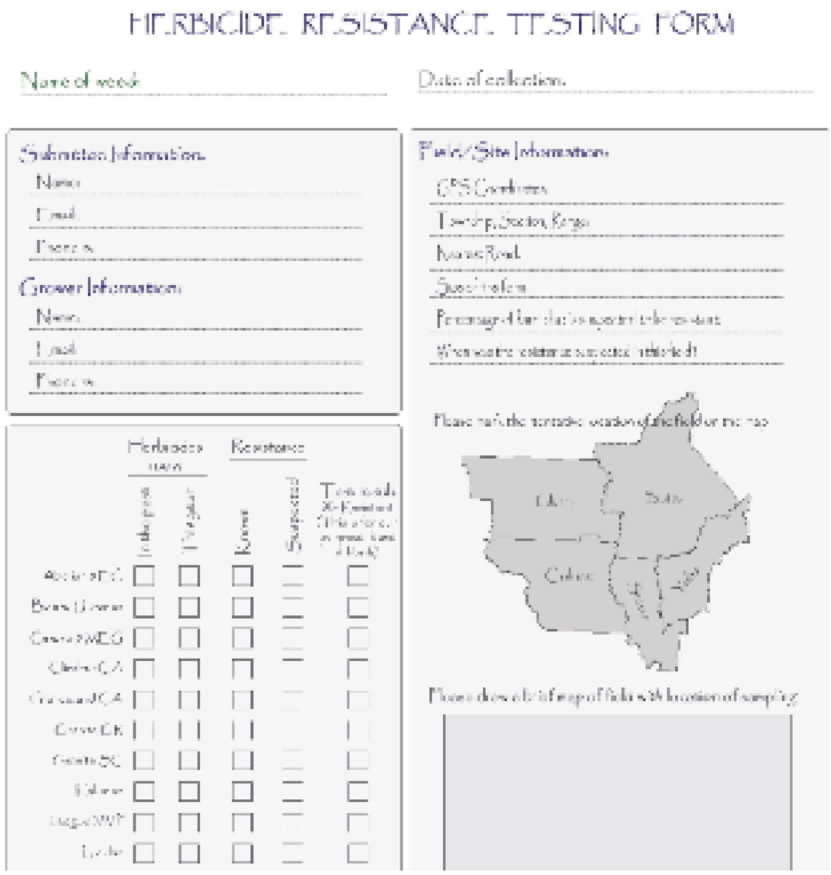
Here are some other areas that the website covers:

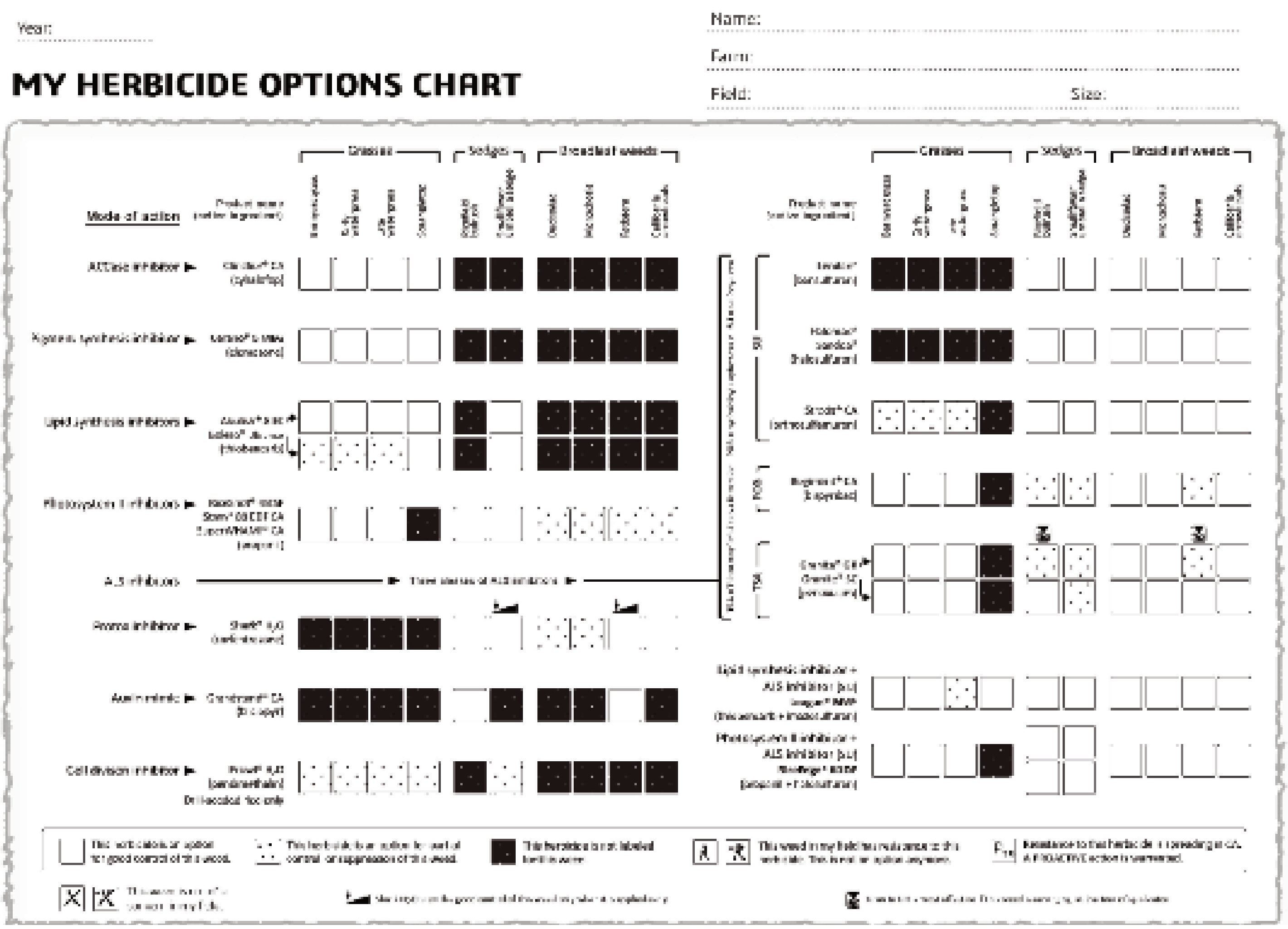
- Variety yield trial summaries by location
- Variety characteristics

In This Issue

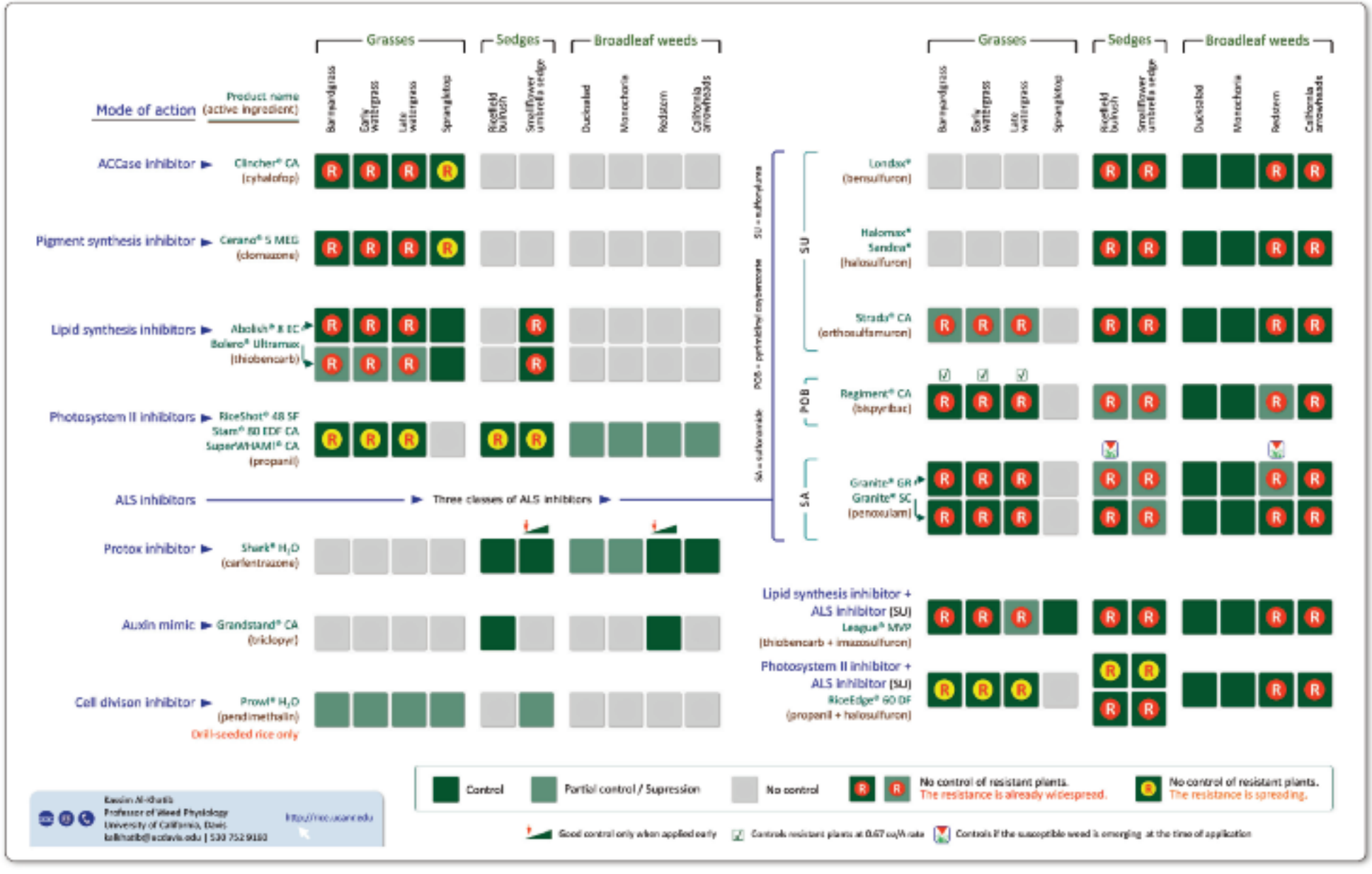
- Seeding rate calculator
- Optimal planting time
- Irrigation management (tailwater)
- Drought (Managing water systems with limited water)
- Water use by rice
- Fertilizer research links
- Storage insects (identification)
- Invertebrates (identification and management)
- Diseases of rice (identification and management)
- Weed ID
- Herbicide Susceptibility Chart
- Red Rice ID Guide
- Rice Straw Uses as Cattle Feed (document links)
- Rice Straw Marketing
- Production costs: 2007, 2012, 2015

In addition, each of the topic areas has





2016 CALIFORNIA RICE WEED HERBICIDE SUSCEPTIBILITY CHART



the relevant section of the Rice Production Manual. You can view the PDF file or save it for later reference.

There are other interesting areas of the website such as the blog produced by the Cooperative Extension Advisors. This gives the Advisors a way of communicating the most current and urgent information to you. Recent topics include:

- M-209
- Is an N topdress needed?
- Winged primrose willow and red rice - weeds to watch out for in 2016)

Contact info and links for each of the Advisors is included as well as the newsletters for the Sacramento Valley counties.

I hope you will take some time to explore this resource and find those sections that are valuable to your operation

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Winged Primrose Willow

The winged primrose willow was identified in 2011 in several rice fields near Richvale in Butte County. Since then it has spread to several other fields, up to 3.5 miles south of Richvale. Winged primrose willow was recently given an "A" pest rating by CDFA. What this means is that this weed is now considered to be of economic importance and may trigger an enforcement action by the state. Currently, no actions are being considered, but its presence will disqualify a seed field. The rice industry is implementing an outreach, monitoring and control program for winged primrose willow to stop its spread and reduce infestations.

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