

**Dan Putnam, Chair**  
*Alfalfa & Forage Systems Workgroup*  
Department of Plant Sciences MS#1  
University of California, One Shields Ave  
Davis, CA 95616 (dhputnam@ucdavis.edu)

Feb 20, 2008

**Dear Alfalfa Growers and Industry Members,**

**We need your help!** This is a great opportunity for you to be an important part of a new UC publication.

We are very pleased to announce a new 24-chapter production manual, "**Irrigated Alfalfa Management For Mediterranean And Desert Zones**" soon to be published by the University of California.

This manual will be available both as an **on line** publication and a bound, **soft-cover book**. In total, it will be approximately 400 pages, with full color plates for alfalfa disease, fertility symptoms, pest ID and other diagnostics. This promises to be an important new publication that should be of use to growers, PCAs, and anyone interested in the crop.

**Take a Look!**

You can preview chapters at <http://alfalfa.ucdavis.edu/>. More than half of the chapters are now completed, and the remaining are in the final stages of editing and layout. It is anticipated that this project will be completed May 2008.

**Become a Sponsor!**

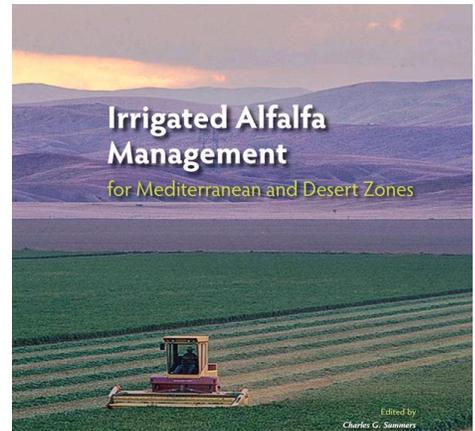
However, we need your help to complete the process! This project will cost over \$45,000 to complete the layout design and printing. We are seeking sponsors to assist with the final completion and to help reduce the final purchase price for each book.

Won't you consider supporting this project, benefiting your company, alfalfa growers, and UC at the same time? We can't do it without you! Details are on the reverse side.

Sincerely,

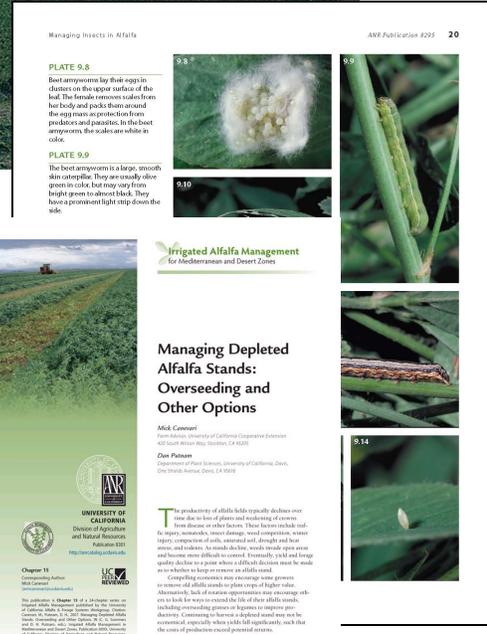
Dan Putnam, and Charlie Summers

(Editors, **Irrigated Alfalfa Management**)



**Irrigated Alfalfa Management**  
for Mediterranean and Desert Zones

Edited by  
Charlie G. Summers



Managing insects in Alfalfa

ARR Publication #29 20

PLATE 9.8

First symptoms by their eggs in clusters on the upper surface of the leaf. The female removes scales from her body and pushes them around the egg mass as protection from predators and parasites. In the best symptoms, the scales are white in color.

PLATE 9.9

The best symptom is a large, smooth, skin caterpillar. They are usually olive green in color, but may vary from light green to almost black. They have a prominent light strip down the side.



**Irrigated Alfalfa Management**  
for Mediterranean and Desert Zones

**Managing Depleted Alfalfa Stands: Overseeding and Other Options**

Mick Conner  
Department of Plant Sciences, University of California, Davis  
401 South Shields Way, Stecker, CA 95616

The productivity of alfalfa fields typically declines over time due to loss of plants and thickening of canopy. From disease or other factors. These factors include soil, insect, nematode, insect damage, weed competition, water stress, compaction of soils, saturated soil, drought and low water, and salinity. As stands decline, yields usually drop and become more difficult to control. Eventually, yield and forage quality decline to a point where a difficult decision must be made as to whether to keep or restore an alfalfa stand. Converting alfalfa to pasture may increase some genetic potential, but of course requires a new crop of alfalfa seed. Alternatively, lack of disease organisms that encourage alfalfa to be less for energy to control the risk of their alfalfa stands, including over-seeding grasses or legumes to improve productivity. Converting to pasture or alfalfa stands may be the economical, especially when yields fall significantly, such that the rate of production exceed potential returns.



Chapter 11  
Converting Alfalfa to Pasture  
The alfalfa stand is a valuable asset to the alfalfa grower. It is a source of alfalfa seed and a source of alfalfa seed. The alfalfa stand is a valuable asset to the alfalfa grower. It is a source of alfalfa seed and a source of alfalfa seed.

## Sponsorship:

We welcome donations to assist in the completion of the project “Irrigated Alfalfa Management of Mediterranean and Desert Zones”. Donors will be acknowledged in the printed publication and on the website. Additionally, for higher levels of support, we will provide links to your website, linked to the Irrigated Alfalfa Management Website (<http://alfalfa.ucdavis.edu/IrrigatedAlfalfa/>)

**Instructions:**

- 1) **Fill out the attached letter** and describe your level of support, send check.
- 2) **Go to the website** (<http://alfalfa.ucdavis.edu/IrrigatedAlfalfa/>) to pay on-line

That’s it! Many thanks for considering your support of this project!

Sponsorship Levels		Benefits to You
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<b>Gold Sponsor</b>	<b>\$2,500 Donation</b>	<b>10 free books, logo in book and on website, links to your site, published acknowledgement in book and web. 20% discount on book purchases</b>
<b>Silver Sponsor</b>	<b>\$500 Donation</b>	<b>3 free books, Published acknowledgement in book and web. 20% discount on book purchases</b>
<b>Green Sponsor</b>	<b>\$250 Donation</b>	<b>1 free book. Published acknowledgement in book and web. 10% discount on book purchases</b>

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(see also: <http://alfalfa.ucdavis.edu/IrrigatedAlfalfa/>)

**Charles Summers and Dan Putnam, editors**

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<b>Chapter 1—Alfalfa Production Systems</b> <b>Chapter 2—Site Selection</b> <b>Chapter 3—Alfalfa Growth/Development</b> <b>Chapter 4—Alfalfa Stand Establishment</b> <b>Chapter 5—Choosing an Alfalfa Variety</b> <b>Chapter 6—Alfalfa Fertilization</b> <b>Chapter 7—Irrigating Alfalfa</b> <b>Chapter 8—Weed Management in Alfalfa</b> <b>Chapter 9—Managing Insects in Alfalfa</b> <b>Chapter 10—Alfalfa Diseases</b> <b>Chapter 11—Nematodes in Alfalfa</b> <b>Chapter 12—Management of Vertebrates</b>	<b>Chapter 13—Harvest Strategies</b> <b>Chapter 14—Harvesting, Curing, Storage</b> <b>Chapter 15—Overseeding/Older Stands</b> <b>Chapter 16—Forage Quality and Testing</b> <b>Chapter 17—Utilization by Livestock</b> <b>Chapter 18—Alfalfa Grazing Management</b> <b>Chapter 19—Alfalfa for Industrial Uses</b> <b>Chapter 20—Manures and Biosolids</b> <b>Chapter 21—Organic Alfalfa</b> <b>Chapter 22—Alfalfa Seed Production</b> <b>Chapter 23—Marketing and Economics</b> <b>Chapter 24—Diagnostic Key to Problem</b>

## DONATION FORM

Please fill out the information below, and send to the following address. A receipt will be sent to you via regular mail.

To: Irrigated Alfalfa Management Educational Project  
C/O Dan Putnam  
Agronomy Research and Extension Center  
Department of Plant Sciences, MS #4  
One Shields Ave.,  
University of California, Davis, CA 95616  
Phone: 530-752-8982 (if you have questions)

Please find enclosed a donation to assist the completion of the educational project "Irrigated Alfalfa Management in Mediterranean and Desert Zones"

_____	Platinum Sponsor	(\$5,000 and above)
_____	Gold Sponsor	(\$2,500 and above)
_____	Silver Sponsor	(\$500 and above)
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