

Survey of Field Edge Management Practices on Farms

12/9/13

Dear Growers and Landowners,

We are interested in understanding field edge management practices in agricultural croplands and would appreciate your responses to the following survey questions. Our interest is to develop outreach material for growers and landowners interested in field edge plantings, such as hedgerows, on their farms. If you have any questions or need additional information, please give me a call. We value your participation, so thank you for your help and support of our UCCE programs. Happy Holidays!

Sincerely, *Rachael*

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Survey Information

Voluntary Participation: Participation in this research survey is voluntary. If you do not want to be part of this research, you do not have to participate. Even if you decide to participate, you are free not to answer any question or to withdraw from participation at any time.

Confidentiality: All data and responses will remain strictly confidential (e.g., all survey answers will be coded so that no names will appear on the reports generated from this survey. All responses will be linked to numeric codes that are stored separately from participant response data to ensure confidentiality).

Statement of Consent: Continuing with this survey indicates that you have read the information provided above and agree to participate in this research study.

Please return the survey in the enclosed envelope.

Our survey is also online at:

https://www.surveymonkey.com/s/Field_edge_mgmt

Raffle Drawing: If you'd like to be entered in a raffle for an iPad please let us know the best way to reach you by phone or e-mail:

Name & contact for iPad raffle: _____

1. Please check the following boxes that best reflect your opinion on FIELD EDGE MANAGEMENT.

Field Edge Management	Currently Use	Tried	Never Used
Mowing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Burning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Herbicides	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Disking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plant hedgerows (shrubs, trees, grasses)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plant wildflowers (forbs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plant native perennial grasses	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please describe in your opinion the **BEST WAY** to manage field edges and why:

2. Please select the option that best reflects your USE OF INFORMATION on field edge management.

Information Sources	Never Used	Not Useful	Useful	Very Useful
Reading print materials (e.g., newsletters, books, magazines)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Looking at on-line materials (e.g., websites, e-newsletters, blogs)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal communication with other landowners and growers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal observation of on-farm sites	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Membership in local organizations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Meetings (e.g., field workshops)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal communication with agencies (e.g., NRCS, RCD, UCCE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Commodity Boards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please list the **MOST IMPORTANT** information source that you use on field edge management and why:

3. Please select the option that best represents your views of the POTENTIAL BENEFITS & CONCERNS associated with field edge plantings (e.g., hedgerows).

POTENTIAL BENEFITS	No benefit	Some benefit	More benefit	High benefit	Don't know
Reduce soil erosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil quality protection (e.g. organic matter)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water quality protection	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase water infiltration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase natural enemies of pest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase native bees and honey bees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Financial gain (e.g. crop pollination & pest control)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wildlife habitat (e.g. game birds)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increase carbon storage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Enhance farmland aesthetics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weed suppression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Protect & enhance air quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Windbreak	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shade	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please list): _____					

POTENTIAL CONCERNS	No concern	Some concern	More concern	High concern	Don't know
Costs of field edge plantings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increased time commitment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Limit equipment movement	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Competition for honey bee pollination	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rodents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Weeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insect and mite pests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Birds pests	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Crop diseases	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increased food safety risks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increased regulation (e.g. from wildlife habitat)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Increased farm investment (e.g. equipment, labor, paperwork)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please list): _____					

4. Please choose the selection that best describes the agencies you work with on field edge management practices.

Partner/Collaborator	Currently	Previously	Never	Considering Collaboration	Collaboration began (year)
U.C. Cooperative Extension & U.C. Universities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Year _____
Resource Conservation Districts, RCD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Year _____
Non-profit Organizations (e.g., Audubon, Xerces Soc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Year _____
Commercial Companies (e.g., Seed Suppliers, Nurseries)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Year _____
State and Federal Agencies (e.g., NRCS, DPR)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Year _____

Other collaborator (please list) _____

5. How familiar are you with incorporating field edge plantings such as hedgerows on farms?

Not Familiar Somewhat Familiar Very Familiar

6. How familiar are you with programs (state and private) that offer financial and technical support to incorporate field edge plantings on your farm?

Not Familiar Somewhat Familiar Very Familiar

7. How interested are you in field edge plantings such as hedgerows on your farm?

Not Interested Somewhat Interested Very Interested

Field Edge Plantings on Farms

If you have hedgerows or other field edge plantings on your farm, please answer the following. If you DO NOT have hedgerows or field edge plantings, skip to page 7 on Communications.

1. What type of field edge planting do you have on your farm? _____

2. Approximately how many field edge plantings do you have? _____

3. Approximately how long is each field edge planting (feet)? _____

4. What year did you plant your field edges? _____

5. What crops are adjacent to your field edges? _____
6. What size (acres) are the adjacent fields? _____
7. Do you have a riparian field edge planting (next to drainage ditch, slough, or other waterways)?
Yes **No** If yes, how many? _____

8. What encouraged you to incorporate field edge plantings on your farm?

9. Did you experience any difficulty in planting or establishing your hedgerow(s) or other field edge plantings on your farm? If yes please explain why.

10. Have you ever received funding for field edge management, such as a grant or match for a native perennial grass planting, hedgerows of shrubs, or flowering plants for pollinator habitat?

Please check: **Yes** **No**

11. Do you expect this field edge planting to have some financial benefit (e.g., by providing habitat for beneficial pollinators or natural predators of pests)?

Please check: **Yes** **No**

If yes, how much value do you think one field edge planting adds to your farming operation annually? Dollars/year: _____ When do you expect these financial gains (or losses)?

Please check: **Short term, <2 years** **Midterm, 2.5-5 years** **Long term, >5 years**

Do field edge plantings provide societal benefits beyond your farm? *Please check:* **Yes** **No**

If yes, please describe societal benefits of hedgerows and field edge plantings:

Communication about field edge management practices

If you are willing, please share names of five people with whom you have communicated about field edge management practices in recent years and list them in the table below. We highly value your privacy and are legally required to protect it. ***Your responses are confidential. No names listed will ever be publicly released.*** This information helps us understand communication patterns within the agricultural community.

Please write down up to 5 people who you communicate with about field edge management practices. Please include their role and check the box that indicates how frequently you communicate.

Name of individual	Role of contact: (e.g. Grower, UCCE, Ag Commissioner)	Occasionally	Sometimes	Frequently
1.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please list grower organizations of which you are a member:

Additional Information

1. What zip code(s) apply to the land you own or manage? _____
2. What is the size of your farming operation (acres)? _____
3. Do you own or lease your ground or both? _____
4. Do you farm conventionally, certified organic, or both? _____
5. Please list the crops you grow: _____
6. What is your age? *Please check one:*
 - 35 or younger
 - 36-45
 - 46-55
 - 56-65
 - 66-75
 - 76-older
 - Prefer not to disclose
7. Which of the following apply to you and your farming operation? *Please check all that apply:*
 - I am a farmer or landowner
 - I have technical training that helps support farming operations (e.g., Pest Control Advisor)
 - I hold a bachelor's degree that helps to support farming operations (e.g., Bachelor in Agronomy, Economics, etc.)
 - I hold an advanced University degree that helps to support farming operations (e.g., Masters or Ph.D. in Agronomy, Economics, etc.)
8. Please estimate your farm operation's annual gross income from crop production before expenses and taxes. *Please check one:*
 - Less than \$49,999
 - \$50,000-99,999
 - \$100,000-499,999
 - \$500,000 and above
 - Prefer not to disclose
9. What is your gender
 - Male
 - Female
 - Prefer not to disclose

It is the policy of the University of California (UC) and the UC Division of Agriculture & Natural Resources not to engage in discrimination against or harassment of any person in any of its programs or activities (Complete nondiscrimination policy statement can be found at <http://ucanr.edu/sites/anrstaff/files/169224.pdf>). Inquiries regarding ANR's nondiscrimination policies may be directed to L. Manton, Affirmative Action Contact, UC, Davis, Agriculture and Natural Resources, One Shields Avenue, Davis, CA 95616, (530) 752-0495.