

NCWSS • News

North Central Weed Science Society

Vol 27, Number 2, Summer 2010

www.ncwss.org

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Presidential Comments – Chris Boerboom



Chris Boerboom - NCWSS President

The weather is great and the days are long as I write from my new home in North Dakota. I'd love to write a completely upbeat article for this issue, but I have mixed feelings. On the bright side, this newsletter serves as our kick-off for the 2010 Annual Meeting in Lexington, KY with the call for papers and posters. Our Program Chair Mark Wrucke is in the midst of planning an excellent program for December 13th-16th, which is always the annual highlight for our Society. If Mark requests your assistance for the meeting, please be generous with your time. We will be graciously hosted in Lexington by Charlie Slack and the rest of the Local Arrangements Committee.

I had to check the web to see if there were any fascinating facts to share about Lexington prior to the meeting. I learned that Lexington is known as "Horse Capital of the World". The weather in Lexington is also reported to have four seasons (spring, summer, fall, winter), although I question if Lexington has a true "winter". However, I think I will certainly enjoy Lexington's winter when we arrive this December. Another claim to fame that I learned is that Lexington's Jif Peanut Butter factory produces more of this sticky, buttery, pea-nutty confection than any other place in the world. Obviously, the best claim for Lexington is that they will also be hosting a great weed science conference.

Although Lexington boasts horses and peanut butter, two items will make this meeting special.

- #1. Your attendance. Please mark your calendar right now and reserve the dates for the meeting.
- #2. Honoring your colleagues. Please nominate for one (or more) of your well deserving peers for a distinguished achievement award so we can acknowledge and celebrate their contributions.

The NCWSS will be using new title and abstract submission software for this meeting. It is the same software that is being used by WSSA. We believe it will simplify your submissions and streamline the program development. Please let us know if you encounter any difficulties and be patient if so. We will all be learning this new system.

On the down side, it is with disappointment that I write about the NCWSS Summer School's cancellation because of low enrollment. Jed Colquhoun,

Continued on next page

Please send your articles for the Summer NCWSS Newsletter to Harlene Hatterman-Valenti by Sept. 15th

Electronic Submission is preferred, send articles to h.hatterman.valenti@nds.edu

Dates to Know:

Title Sign in - **July 15, 2010**

Titles Due - **September 3, 2010**

<http://WSSAAbstracts.com>.

Mick Holm, and the rest of the NCWSS members from Wisconsin were extremely excited about the opportunity to host this special event for NCWSS students. They had arranged a truly unique educational opportunity which would have gotten students into locations that few have a chance to experience. I want to express my appreciation for the team's planning efforts. I truly thought this type of "school" could have served as an excellent educational and recruiting event when mixed with the summer contest.

The weed science discipline is also facing other challenges and the NCWSS is partnering with our sister weed science societies to voice our concerns. The issues include serious erosion in federal funding available through the AFRI grants program, uncertainty about proposed pesticide regulations, especially the impacts of the NPDES permit program, and continuing harm caused by herbicide-resistant weeds. Lee VanWychen will be addressing these issues in greater detail, but I encourage your attention to these issues. If you have specific comments or examples of unintended consequences that should be communicated in our society letters to Washington, please let me know.

That's all for now. Please continue to be safe this summer, and enjoy your work and your families. §

Call for Papers and Posters: Titles due September 3rd
65th Annual Meeting of the North Central Weed Science Society
Hyatt Regency, Lexington, KY
December 13-16, 2010

**Message from the Program Chair –
Mark Wrucke**

This is the call for Papers and Posters for the 2010 Annual Meeting of the North Central Weed Science Society. This is the only notice you will receive so mark your calendar and submit the titles of your presentations by Friday, September 3rd. Submissions received after September 3rd may be placed in alternate sections, switched to the poster session or rejected depending on the availability of space in the sections. To make title submission more efficient and convenient, we will be switching to a new Title/Abstract Submission software this year. This is the same software tested by the Northeast Weed Science Society last year and being adopted by the Weed Science Society of America for the 2011 meeting. The Title/Abstract Submission website will be available by July 15, 2010 through the NCWSS website: <http://www.ncwss.org> or by going directly to the submission website: <http://WSSAAbrstracts.com>.

The program begins Tuesday morning, December 14th, 2010, and concludes Thursday afternoon, December 16th, 2010. We are working to make the Tuesday morning general session informative and entertaining. It will feature a keynote speaker with a timely message of interest to all in attendance. The general session will also include a Washington Update from Lee Van Wychen, WSSA Science Policy

Director, and the Presidential Address by Chris Boerboom. Symposia planned for the meeting include a discussion on Ragweed Biology and Management, a session on Cover Crops and Weed Management and a symposium on 2,4-D Past and Present. A continuation of the NCWSS Learning Store is being planned and the What's New in Industry session will continue again this year. Symposia Chairs will be responsible for submitting invited speaker presentations. The volunteer paper and poster sections are listed below and directions are included for submission of papers and posters into these sections.

The 2010 program will again feature graduate student paper and poster contests and an undergraduate poster contest. Guidelines for the contests are found later in this article and at our website under About NCWSS – NCWSS Manual of Operating Procedures. We again look forward to top-quality presentations by the students.

This year, you will be asked to upload your presentation to the Submission website about 7 days before the meeting. Using the Submission website helps to prevent clogging up e-mail accounts with large file attachments. This requires paper presentations to be prepared slightly earlier than in past years but allows the section chairs to bring the preloaded presentations to the meeting. If this is not possible, make sure you contact your section chair to

make other arrangements.

Please consider giving one or more presentations at our annual meeting. We are interested in what you are working on. In addition to research, thought provoking or critical assessments of our discipline are also welcome. Also, please pass along any suggestions on ways to make the meeting even more valuable to you and others. I look forward to an exciting conference in December.

Mark Wrucke, Program Chair
mark.wrucke@bayercropscience.com, 651-463-3365

New Process for Submitting Papers and Posters

We are starting down a new path this year in regard to title and abstract submissions. We will be using new Title/Abstract Submission software which has been used successfully by the NEWSS this past year. It is a goal of the WSSA to have all regional societies (NCWSS, NEWSS, SWSS, and WSWs) utilizing this title and abstract submission software in the future. The following information includes steps about submitting titles and abstracts via the new website. Please follow the included directions, heed the deadlines and please contact me if there are any questions.

SIGN-IN: The sign-in section should be available starting July 15, 2010. Go to the home page of the NCWSS website (<http://www.ncwss.org>) and connect to the site through the link found there or go directly to the submission website: <http://WSSAAbstracts.com>. You will need to sign in as a member and will need to create your own password for the site at this time.

SUBMIT TITLE: Simply follow the site's instructions for submission. Select your preference for paper section (Horticulture and Ornamentals, etc.). Enter the title and authors' names in the spaces provided. Be sure to use the pull-down menus at the right to indicate member status and to indicate if an author is the presenter or not. It is critical that we know which papers will be competing in the graduate student contest, so please be sure to indicate this on the title submission form. For the September 3 title deadline, fill in the title, authors and affiliations (type in as it would appear in the final abstract). Try to make sure you have everything as you want it before submitting. Click on the "Submit" button when you have entered all the information.

SUBMIT ABSTRACT: Sign into the member portion of the Web site as above and click on the link to submit an abstract. Scroll down to the abstract part of the window and click anywhere in the area designated to hold the abstract. Cut and paste your abstract in the box provided. There is no need to include the title and authors in the "cut and paste" portion since the correct information has already been entered in the boxes at the top of the page. I would recommend making all changes prior to pasting into the submission form. NOTE: If you have changed authors (added or deleted) or made a title change, please send an email to both your section chair and me (mark.wrucke@bayercropscience.com) to alert us about the change.

ACTION SUMMARY: Titles will be due on September 3. At this time, we will ask you to enter the site and type in your title, authors' info, section preference and submit. Abstracts will be due November 12. At this time, we request you to enter the author information as indicated, cut and paste abstract, select keywords, and submit.

Preparing to Submit Titles

Please follow these instructions when preparing your title(s):

1. Decide whether the presentation is a poster, paper or invited symposia paper.
2. Select your first and alternate choices for the section in which you want to make your presentation. Any questions pertaining to the appropriateness of your presentation in these sections can be answered by contacting the Program Chair or the respective Section Chair.
3. Connect to the NCWSS website (<http://www.ncwss.org>) and use the link to connect to the Title/Abstract Submission software or go directly to the submission website: <http://WSSAAbstracts.com>. Follow the directions previously listed in this article.
4. Important Note: Type the title, authors, affiliation (institution, agency or company) and location exactly the way they are to be printed in the program. Capitalize major words in the title. Include the full first name and middle initial of the authors rather than just initials. Place a checkmark in the box next to the author's name to designate who will present the paper or poster. Do not include departments or division, zip codes or the name of the state if it is a part of the institution's name. Use the common names

of weeds, herbicides and crops. Please follow the capitalization, punctuation and formatting as shown in these examples, especially the listing of affiliations.

Single institution or company

Weed Control Feasibility in Large-scale Organic Snap Bean and Sweet Corn Production. Jed B. Colquhoun*, Heidi J. Kraiss, and Richard A. Rittmeyer, University of Wisconsin, Madison.

Multiple institutions or companies

Potential of Saflufenacil for Preharvest Desiccation of Sunflower. Kirk A. Howatt*, Brian M. Jenks, Phillip W. Stahlman, and Michael J. Moechnig, North Dakota State University, Fargo and Minot; Kansas State University, Hays; South Dakota State University, Brookings.

Paper and Poster Section Chairs

Agronomic Crops I (Cereals, Sugar Beets, Dry Beans)

Kathrin Schirmacher – 217-671-5388
kathrin.schirmacher@syngenta.com

Agronomic Crops II (Corn, Sorghum)

Curtis Thompson – 785-532-3444
cthompso@ksu.edu

Agronomic Crops III (Soybeans, Legumes, Forage and Range)

Susan Rick – 618-939-0263
susan.k.rick@usa.dupont.com

Equipment and Application Methods

Bill Bagley – 210-867-9592
bbagley@wecon.com

Extension

Mark Bernards – 402-472-1534
mbernards2@unlnotes.unl.edu

Herbicide Physiology

Renae Robertson – 308-289-5340
robert37@purdue.edu

Invasive Weeds

Byron Sleugh – 515-226-2165
bbsleugh@dow.com

Forestry, Industrial, Turf and Aquatics

Steve Sanborn – 608-235-3667
stephen.sanborn@syngenta.com

Horticulture and Ornamentals

Harlene Hatterman-Valenti – 701-231-8536
h.hatterman.valenti@ndsu.edu

Weed Biology, Ecology and Management

Anita Dille – 785-532-7240
dieleman@ksu.edu

Poster Session

Ryan Lins – 507-251-5524
ryan.lins@syngenta.com

Program Chair

Mark Wrucke – 651-463-3365
mark.wrucke@bayercropscience.com

Paper Presentations and Presentation Format

All papers will be presented with Power Point files through an LCD projector. Slide projectors **will not** be available. Electronic presentations will be limited to Power Point programs and need to be uploaded to the Submission website approximately 7 days prior to the meeting. Presentations are approximately 12 minutes long followed by one to two minutes for questions or comments to fit a 15 minute schedule. Contact the **Program Chair** if more time is needed. Abstracts of the paper and poster presentations will be published in the NCWSS Proceedings. Abstracts will be submitted electronically via the Title/Abstract Submission software prior to the meeting (by November 12). A **Call for Abstracts and Instructions for Submitting the Abstracts** will be sent to the corresponding authors by the Proceedings Editor after titles are submitted.

Poster Presentations

All posters will be set up on Monday and available for viewing on both Tuesday and Wednesday. All posters should be removed by 4:00 p.m. on Wednesday. One poster mounting board, approximately 48 by 48 inches, supported on an easel will be provided by the NCWSS. Posters will be arranged according to subject, so please indicate your section preference in the Title/Abstract Submission software linked to the NCWSS website. Additional details will be mailed to each poster session participant following title submission.

Call for Sustaining Member and Sustaining Member Displays

Contact the chair of the Industry Committee, Ryan Tichich (636-737-6807; ryan.p.tichich@monsanto.com) for information on how to become a Sustaining Member of the NCWSS. Sustaining member displays can be set up Monday afternoon and should be removed by 4:00 p.m. Wednesday.

Graduate Student Paper Contest

Any graduate student who is registered at the NCWSS meeting and has conducted research while they were a student in the North Central Region is eligible to compete, except for those who won first place in a previous contest (students can win first place once per degree). Awards will be presented to the first and second place winners in the graduate student paper contest at the banquet on Wednesday. Graduate students may enter the paper contest by indicating so when submitting the paper's title. Abstracts must be submitted electronically using the Title/Abstract Submission software prior to the meeting. A **Call for Abstracts and Instructions for Submitting Abstracts** will be sent to the corresponding authors by the Proceedings Editor after titles are submitted. The criteria for evaluation of presentations in the student contest can be found at the NCWSS website in the Manual of Operating Procedures (www.ncwss.org). Awards consist of certificates of achievement and monetary awards for first and second place in each division. The chair of the graduate student paper contest is Brady Kappler (402-432-1469; brady.kappler@basf.com).

Graduate Student Poster Contest

The graduate student poster contest is similar to the graduate student paper contest. Graduate students may enter the poster contest by indicating so when submitting the poster's title. Abstracts must be submitted electronically using the Title/Abstract Submission software prior to the meeting. **Students** should have copies of their poster available during the poster session. A **Call for Abstracts and Instructions for Submitting Abstracts** will be sent to the corresponding authors by the Proceedings Editor after titles are submitted. The criteria for evaluation of presentations in the student contest can be found at the NCWSS website in the Manual

of Operating Procedures (www.ncwss.org). Awards consist of certificates of achievement and monetary awards for first and second place in each division. The chair of the graduate student poster contest is Fritz Koppatschek (317-415-0553; Fkoppatschek@abgagservices.com).

Undergraduate Student Poster Contest

The NCWSS will sponsor an undergraduate poster contest at the annual meeting in Lexington. The purpose of this contest is to encourage undergraduate students who have conducted research in weed science to present their results to the society in poster format, to gain experience and interact with other scientists and students. The contest will be held in conjunction with the Graduate Student Poster Contest with the same rules and evaluation guidelines. The criteria for evaluation of presentations can be found at the NCWSS website in the Manual of Operating Procedures (www.ncwss.org). Students should have a faculty sponsor who is a member of the NCWSS to provide guidance in poster preparation. Undergraduate students may enter the poster contest by indicating so when submitting the poster's title. Abstracts must be submitted electronically using the Title/Abstract Submission software prior to the meeting. Students should have copies of their poster available during the poster session. A **Call for Abstracts and Instructions for Submitting Abstracts** will be sent to the corresponding authors by the Proceedings Editor after titles are submitted. Awards consist of certificates of achievement and monetary awards for first and second place in each division. As chair of the graduate student poster contest, Fritz Koppatschek (317-415-0553; Fkoppatschek@abgagservices.com) will also coordinate the undergraduate poster contest. §

**The NCWSS Newsletter is filled
by the Members of NCWSS
Edited by
Harlene Hatterman-Valenti
Constructed by
Glenn Nice**

Submit your titles and abstracts for the 2010 Annual Meeting in Lexington

Deadlines:

September 3—Titles

November 12—Abstracts

Submit them via the link at the NCWSS Website @ <http://www.ncwss.org>
or directly to the submission website @ <http://WSSAAbstracts.com>

Available July 15, 2010



Nominations for Distinguished Achievement Awards

Please recognize the contributions of outstanding members by nominating them for a Distinguished Achievement Award. It is a simple process and the NCWSS can present up to five awards each year from the following categories.

Research Industry Education Service
Professional Staff Young Scientist

For these categories, the nomination guidelines are similar, and can be found on page 28-29 of the NCWSS Manual of Operating Procedures available on our website: www.ncwss.org.

Nominators need to initiate the process early to procure letters of support prior to the application deadline. Submissions of nomination materials are due September 15, 2010.

In addition, new for 2010, is an Outstanding Graduate Student Distinguished Achievement award.

The nomination form and other information pertinent to this new student award will be available on the NCWSS website. The awards committee will review the applicants and the selected finalists will be interviewed at our annual meeting. This award will be given to a graduate student who is actively involved in the society, and a contributor to the field of weed science through extension, research or teaching. The deadline for submission is September 30, 2010.

Send completed nomination packages for all awards to:

Mick Holm

4902 Wakanda Dr.

Waunakee, Wi. 53597

608-231-9961

Mick.f.Holm@usa.dupont.com

Nominations for NCWSS Fellow

Now is the time to nominate distinguished members of the North Central Weed Science Society for the Fellow award. This prestigious award is presented to those who have made significant contributions to our Society and the discipline of Weed Science. Each year the NCWSS can recognize up to 0.5 percent of its members as a Fellow. Eligible nominees must have been active in the NCWSS and should have made substantial contributions in more than one of the following areas: 1) Professional publications, 2) Educational contributions other than publications, 3) Development or improvement of Weed Science programs, practices, or products, 4) Service of NCWSS, 5) Service to Weed Science outside of NCWSS, and 6) Other professional contributions.

The NCWSS has several members worthy of recognition as Fellow. The nomination procedure is described in the Manual of Operating Procedures, Section 3 (Rules), Chapter 1 (page 22) on the NCWSS Website: <http://www.ncwss.org/>. Nominators need to start the process early to procure letters of support for the nomination. The deadline for receipt of nominations is September 30.

Electronic nominations (pdf files) should be sent to:

Mike Owen
Fellow Committee Chair
mdowen@iastate.edu
515-294-5936

People and Places

Dr. Marty Williams

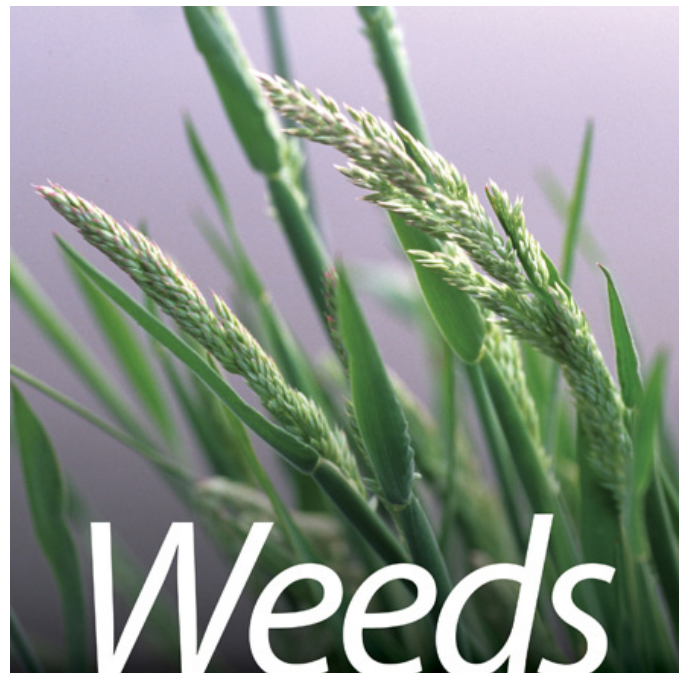
Congratulations Marty!!!

Dr. Marty Williams was awarded the ‘Service Recognition Award’ from the University of Illinois, College of Agricultural, Consumer, and Environmental Sciences.

New Publications

New Book: ‘Glyphosate Resistance in Crops and Weeds: History, Development, and Management’ available mid-August.

New Book: ‘Weeds of the Midwestern United States & Central Canada’ available now. You can order through the NCWSS web site.



OF THE MIDWESTERN

UNITED STATES & CENTRAL CANADA

Edited by Charles T. Bryson and Michael S. DeFelice

FOR MORE INFORMATION

TO ORDER

2010 Conference Schedule at a Glance

Soil & Water Conservation Society
International Annual Conference

Ecosystem Services: The Significance of Contributions by Invasive Plant Species (Monday, July 19, 2010)

Invasive plant species can establish in diverse environments, and, with the increase in human mobility, they are no longer restricted to isolated pockets in remote parts of the world. Cheatgrass in rangelands, purple loosestrife in wetlands, and saltcedar in riparian areas are examples of invasive plant species that are common to the United States and can be found in monocultures and patches covering many thousands of hectares. Across the world, invasive plant species like water hyacinth, cogon grass, and mile-a-minute weed have choked waterways, altered fire regimes, or caused the abandonment of farmland due to their dominating and persistent characteristics.

Clearly, the effects of invasive plant species have reached global scales and their related costs have been estimated in the billions of dollars. While the control of invasive plant species is warranted in many natural and man-made environments, these species do provide services to these ecosystems, which have yet to be quantified on a range of scales.

The goal of this symposium is to gain an understanding of the contribution that invasive plant species are making to terrestrial and aquatic ecosystems. Experts from across the US will present the latest information and research on invasive plants and ecosystem services in order to begin to address a fundamental topic, which, to date, has received limited attention. The symposium will also feature the speakers in a question and answer panel discussion session with the audience.

Make plans today to attend this symposium. You won't want to miss it!

Online registration, lodging, and more on the SWCS website: www.swcs.org/10ac

Saturday July 17

- 8:00 a.m. SWCS Board of Directors Meeting
- 9:00 a.m. Conservation Leadership Workshop*

Sunday July 18

- 8:30 a.m. Committee Meetings
- Noon State of Society Address
House of Delegates Resolutions
SWCS Town Hall Meeting
- 1:30 p.m. Technical Workshops
- 1:30 p.m. Student Members Meeting
- 1:30 p.m. Committee Meetings
- 4:00 p.m. Fellows Forum: Gulf Hypoxia – A Midwest Perspective
- 6:00 p.m. First Timers/New members orientation
- 6:30 p.m. Welcome Reception in Exhibit Hall with exhibitors and poster presenters

Monday July 19

- 8:30 a.m. Opening Plenary:
SWCS Executive Director – Jim Gulliford
Pritchard Lecture – Peter Kareiva, Chief Scientist & Director Science, The Nature Conservancy
- 10:30 a.m. Concurrent Sessions
- Noon Lunch Break (On your own)
- Noon Regional Roundtable Lunches for all regions*
- 1:30 p.m. Concurrent Sessions
- 3:30 p.m. Concurrent Sessions
- 5:30 p.m. Pre-game Tailgate, sponsored by EnviroCert International, Inc.*
- 7:05 p.m. St. Louis Cardinals vs. Philadelphia Phillies*

Tuesday July 20

- 8:30 a.m. Tuesday Plenary: Ecosystem Services Panel
- 10:30 a.m. Concurrent Sessions
- 11:00 a.m. ARCSE Luncheon*
- Noon Lunch Break (On your own)
- Noon SWCS Awards Luncheon*
- 1:30 p.m. Concurrent Sessions
- 3:30 p.m. Concurrent Sessions
- 6:00 p.m. 65/75 Anniversary Dinner*

Wednesday July 21

- 7:00 a.m. Offsite Tours*
- 8:30 a.m. Workshop: Carbon Markets – Expanding Opportunities*

*Extra Fees



Glyphosate Resistance in Crops and Weeds: History, Development, and Management

Vijay K. Nandula (Editor)

978-0-470-41031-8 • Hardcover • 344 pages • August 2010 • \$99.95

Presents the latest technology and strategies for managing glyphosate-resistant weeds

Glyphosate-resistant (GR) crop technology has revolutionized crop production in many parts of the world, offering such benefits as reduced fuel costs and improved soil conservation; however, GR weeds are becoming one of the most pressing problems in crop protection, threatening the sustainability of glyphosate and GR crop technology. This book details the development of glyphosate resistance, offering interdisciplinary approaches for managing GR weeds and reducing their spread.

Glyphosate Resistance in Crops and Weeds features contributions from leading experts in the many disciplines needed to fully understand GR crops and weeds. The authors have reviewed and analyzed all the latest research findings as well as the latest technologies developed to manage GR crops and weeds. Coverage includes:

- Developmental processes of first and subsequent generations of GR crops
- Separate chapter on the economic impact of GR weeds
- Strategies for effectively managing glyphosate resistance
- Regional management issues surrounding GR weeds around the world
- Genetics and genomics of glyphosate resistance
- Methods of testing for glyphosate resistance

References guide readers to the primary literature for further investigation of individual topics. A compilation of commonly used terms in herbicide resistance and their definitions is also provided.

With the productivity and health of croplands threatened around the world by GR weeds, this review of glyphosate resistance is essential for agricultural chemists, weed scientists, plant scientists, crop consultants, and agronomists.

VIJAY K. NANDULA, PhD, is an assistant research professor at Mississippi State University. His current research focuses on monitoring, documenting, and characterizing the herbicide-resistant weed populations in Mississippi, centering on their level of resistance, mechanisms, multiple resistance, and biology.

ORDERING INFORMATION

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