

OSU

GO BIG AMAZE
YOURSELF LIVE
YOUR DREAMS DO
SOMETHING OTHERS
WILL ONLY READ
ABOUT CREATE IN-
VENT DISCOVER EX-
PLORE SPEAK YOUR
MIND PUSH LIMITS
FIGHT BACK PERSE-
VERE STRIVE MAKE
SOMETHING HAPPEN
SAY WHAT'S NEVER
BEEN SAID WRITE
WHAT'S NEVER
BEEN WRITTEN
MAKE HISTORY
MAKE THE FUTURE
NOW, NOT LATER
TODAY'S THE DAY
CARPE DIEM GO BIG

New study begins

A study looking at a minimum tillage/chemical fallow system is beginning this fall in North Juniper east of Vancycle. This study will compare conventional fallow and chemical fallow with a third treatment – minimum tillage. The minimum tillage treatment will utilize an undercutter implement similar to a Noble blade or Haybuster. This is a two year study. The goal of the study is to find a way to improve seed zone moisture over current chemical fallow practices while retaining the residue cover. Dan Ball, OSU Weed Scientist, is assisting on the study and will also be doing a companion study at the same location looking at different herbicides combinations and timings for chemical fallow.

Jeff and Bob Newton are our producer cooperators. Larry Lutchter, OSU Extension, Morrow County, Stewart Wuest, USDA-ARS, and Don Wysocki, OSU are also cooperators.

Coming to you from a new location in 2005.....

Plans are being finalized to move OSU Extension Service to BMCC's Umatilla Hall sometime in early 2005. Look for updates in the coming months.....

Phone: 541-278-5403
F 541-278-5436
Email: mary.corp@oregonstat.edu
Website: <http://cerealcentral.com>

Oregon State **OSU** Extension
UNIVERSITY Service
Coming to you from a new location in 2005.....



*Umatilla County
Dryland
Cropping Systems
Extension
Programming and
Research Update,
2004*

CARPE DIEM GO BIG

Parasitic wasps abate sawfly outbreak as biologicals play catch-up



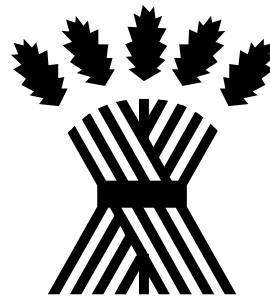
*Ichneumonid wasp
go to work for farmers.
farmers*

Scouting this spring showed elevated numbers of adult leaf feeding-sawflies, but hardworking parasitic wasps also made a strong showing. The beneficial parasitic wasps

attacked the sawfly larvae causing them to die before reaching maturity. The wasps increased numbers coupled with late spring rains reduced sawfly populations to levels of little concern to local growers. Biological control populations tend to increase in response to increased population of their host, thus we had anticipated an increase in wasps this season to help combat the higher sawfly population we experienced in 2003. The wasps have a

gold tint to their wings so that in the light you will see multiple colors like a rainbow, but the gold tint we noticed most this year was in the growers' eyes as they counted up the savings from not needing to treat sawflies.

Other counties along the Columbia Basin also saw outbreaks of the leaf feeding sawfly and were able to benefit from Umatilla County's recent experiences.



ORCF-102 Release

Oregon Agricultural Experiment Station announced the release of 'ORCF-102', a new CLEARFIELD* herbicide tolerant soft white winter wheat this fall. We have seen the variety at the Pendleton Station trials under the number OR2010007. It has consistently yielded superior to Stephens and Madsen and also out yielded other Clearfield varieties – ORCF 101 and ID 587 over the past several years.

ORCF-102 was developed by the Oregon Agricultural Experiment Station, Depart-

ment of Crop and Soil Science. ORCF-102 is a soft white winter wheat that possesses CLEARFIELD* herbicide resistance technology. ORCF-102 is being released for its utility in grassy weed control, adaptation to wheat growing areas of the Pacific Northwest, improved disease resistance relative to available CLEARFIELD* varieties, and acceptable quality for the soft 102 is derived from the three-way cross 'Madsen'/'CV9804'/'Weatherford'. The primary advantage of ORCF-102, is improved disease tolerance. It has resistance to Strawbreaker footrot, with disease response similar to its parents Madsen and Weatherford. ORCF-102 has shown tolerance to Cephalosporium stripe similar to that of Weatherford, with disease ratings significantly lower than those for Stephens, Tubbs, or ORCF-101. Seed for commercial production of ORCF 102 should be available fall of 2005.

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