



NATIONAL CENTER FOR
APPROPRIATE TECHNOLOGY

Hear Real World Experience About Integrating Livestock and Specialty Crops

Integrated Livestock and Vegetable Crops Q&A Session

Thursday, November 17, 6:00 p.m. - 7:30 p.m. MDT

Join us for this question-and-answer session that is a follow-up to a webinar NCAT hosted about integrated crop-livestock systems. Such systems may provide sustainable alternatives to terminate cover crops, reduce fertilizer, and improve the water cycle. Featured in this session are Montana specialty crop farmer Leon Stangl, Montana State University (MSU) research associate Devon Ragen and MSU graduate student Trestin Benson. Leon will share his story of success in integrating livestock on his farm and Devon and Trestin will discuss their ground-breaking research concerning integrating sheep on dryland cropping systems and vegetable specialty crops.

NCAT sustainable agriculture specialist Dave Scott will serve as moderator.

Please watch Leon's video about work on his farm prior to this session. You can view it at https://youtu.be/e_2Z99jfK04.

Registration is required. Visit xxx to reserve your place.

For more information, contact Dave Scott at daves@ncat.org or 406-490-7596 or Devon Ragen at 406-579-1539.

Watch for registration information about a Q&A session that will feature ranchers who are integrating livestock into their field crops. It will be offered on Monday, November 23.

These sessions are made possible through funding from Western Sustainable Agriculture Research and Education (WSARE).

About the Presenters:

Leon Stangl is a Montana farmer whose *Yourganic Farm* produces a diverse selection of vegetables and directly sells its produce through CSAs and local markets. To add diversity and interest, each year he trials a new crop to test for hardiness and marketability. Animals are also an integral part of the farm, providing weed suppression, tilling, manure for compost, and meat for sale. According to Leon, "The diversity of our farm, with vegetables and animals, stabilizes our work load and cash flow throughout the year."



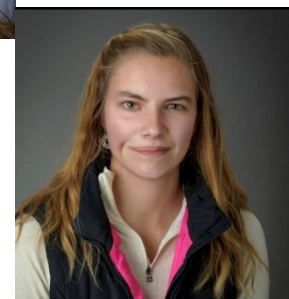
Devon Ragen is a Research Associate in the Range Sciences Department in Bozeman, both her bachelor's and master's degrees in MSU. Devon has been conducting research sustainability of integrated crop-livestock systems. She has participated in research



MSU Animal and Range Sciences Department in Bozeman, MT. She received her master's degree in animal science from MSU to investigate the sustainability of production systems incorporating animal

science, agronomy, soil science, entomology, and weed ecology.

Trestin Benson is a master's graduate student studying with the MSU Animal and Range Sciences Department. She received her bachelor's in natural resources and rangeland ecology from MSU. Currently she is wrapping up her research on *The Effects of*



Integrating Livestock in Small Scale Farming Systems. Trestin has also assisted on other research projects that have focused on nutrition, animal health, wool, and agronomy.

Dave Scott has over 35 years of experience with adaptive multi-paddock grazing, first with dairy cows and the last 17 years with sheep. He and his wife operate Montana Highland Lamb with 180 ewes and close to 300 lambs on 32 acres of irrigated pasture in southwest Montana. They direct market lamb and are transitioning to regenerative grazing, which has yielded more ewe grazing days while reducing inorganic N-fertilizer inputs. At NCAT, Scott contributes practical “how-to” publications, podcasts, and videos for the sustainable farmer and rancher.



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