Poultry Litter’s Agronomic and Natural Resource Benefits

Rick Koelsch - Professor of Biological Systems Engineering

Many Nebraska farmers are experienced with using beef feedlot and swine manures as fertility products. Over the next few years, Nebraska crop farmers may have opportunities to consider using broiler poultry litter as a soil amendment and fertilizer. Other regions of the US have a history of using poultry litter in crop production from which we can take away a few lessons.

Soils and data scientists at Auburn University, USDA ARS, and University of Florida reviewed the results from 90 research studies and 866 field observations comparing poultry litter with inorganic fertilizer. Their findings provide us with several important insights to consider when using broiler litter in Nebraska. This article will attempt to answer:

What is poultry litter’s nutrient value?
Is there a yield benefit from poultry litter?
Which soils benefit most from poultry litter?
Is there value from sustained poultry litter use?

Source: https://go.unl.edu/0qa0

Announcements

NPI Convention, Feb. 19-20, Columbus, NE

March 21—UNL Chick Days—Youth activities and Small Flock Presentations

April 3 - State FFA Poultry Judging

Asha Scheideler, Jr undergraduate was admitted to the MPC this summer 2020
Chick Days

Where: UNL Dept. of Animal Science
When: Saturday March 14th, 2020 8AM – 3PM

Scholarship for winning Senior
$50 Egg decorating
$2000 / TEAM Poultry Quiz Bowl
$50 Photography
$50 Omelet Cookery
$50 Speech

Register by March 1st 2020

Questions??
Contacts:
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Name: ___________________________  County: ______________
Address: ___________________________
Phone: ___________________________  Email: ___________________________

Emergency contact name: ___________________________
Emergency contact number: ___________________________

Check the contests you are signing up for:
☐ Egg decorating  ☐ Quiz Bowl
☐ Photography  ☐ Omelet cookery
☐ Speech

Junior (10-13 yrs old)  OR  Senior (14-18 yrs old)

Detach and mail form to:
University of Nebraska Lincoln
Dept. of Animal Science
C/O Dr. Sheila Purdum
P.O. Box 830908
Lincoln, NE 68538

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UNL Poultry Interest Team Contacts

Animal Science Dept: Sheila Purdum, Ph.D. (Co-Leader)
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Tami Brown-Brandl

Extension Educator Brett Kreifels, M.S.
Contact info available at: https://directory.unl.edu/
Ongoing Poultry Research Projects at UNL

“Control of Salmonella in poultry meat using oxidizing antimicrobial interventions” - Byron D. Chaves-Elizondo, PhD. Assistant Professor & Food Safety Extension Specialist, Dept. Food Science

“Assessment of Various Essential Oils and Their Constituents for Activity Versus Ectoparasites” Roberto Cortiñas DVM PhD, Asst. Professor of Practice, School of Veterinary Medicine and Biomedical Science


“High Protein DDGS in Layer Rations” and “Algae in Layer Rations” - Sheila E Purdum, Ph.D., Animal Science Department

“The impact of the degree of processing and ingredient addition on the mi-crobial ecology and quality characteristics of turkey products through-out shelf life” and “Effects of packaging systems on the microbial ecology, quality characteristics, and shelf life of raw ground turkey” - Gary Sullivan, Ph.D., Animal Science Department

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