Welcome by the project coordinators

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Organic Knowledge Network on Monogastric Animal Feed

OK NET ecofeed

3 year project: January 2018-March 2021

Aim: Helping farmers and practitioners in achieving the goal of 100% use of organic and regional feed for pigs, broilers and laying hens

9 countries
11 partners
6 linked parties

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 773911.

Achievements:

- Synthesis of innovative scientific and practical knowledge about organic and regional feed production for pigs and poultry
- European network of innovation groups facilitating exchange of knowledge
- Collection and development of tools adapted to the needs of farmers and business actors
- Further development of the OFK


PRACTICE ABSTRACT

Dry forages: Process and techniques

Problem

Forage storage and quality are affected by the percentage of water contained in the plants. A high water content encourages the formation of mould and indigestible compounds from, a reaction between sugar and amino acids (Maillard reaction) and brown forage. Enzyme processes can also modify forage quality due to plant respiration after cutting. A decrease in forage quality is also due to weather conditions during haymaking.

Solution

To increase water loss after cutting, grass needs to be spread with an appropriate machine (tedder) to expose more surface to the sun. When moisture content is around 45-50 %,

Applicability box

Theme
Processing and handli

Geographical coverage
Global

Application time
Growing and harvestir

Required time
A few days of dry and

Period of impact
October – June

Equipment
Hay-making machinery

Best in

Benefits

The drying process preserves forage quality and increases protein and energy content. To improve the process, a conditioner can be attached to the mower where the grass is crushed between two rollers. Crushing the stems can speed-up the on field drying process, reduce nutrient losses and, if the drying process is completed in a hay dryer, reduce the energy consumption.

Figure 1: Rowing hay with a tedder. Photo curtesy of John Deere

Figure 2: Cutting forage. Photo curtesy of New Holland

Practical recommendation

- To obtain the best forage quality, cutting at the correct time is important, when cellulose and lignin content is not too high. During spring, cutting early is the best option to preserve forage quality; for grasses, the correct time is beginning of heading; for leguminous plants, it is beginning of blooming. However delaying cutting increases dry matter (DM) content, which speeds up the drying process. Favourable weather

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Poultry and Pig Low-input and Organic production systems' Welfare (2019-2024)

PPILOW

Coordination: INRAE

Innovative breeding and rearing strategies

Avoiding piglet castration, beak trimming, elimination of layer male chicks

Favouring positive behaviours, improving health and robustness

PPILOW

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 816172

- Research institute
- Technical Institute
- Citizen/Practitioner Association
- SME
- University/Higher education

23 PPILOW Partners in 9 countries,
9 National Practitioner Groups

www.ppilow.eu

PPILOW

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FreeBirds

“Optimizing the use of the free range as the key to improve organic layer and broiler chicken production”

CORE organic

FreeBirds

SLU

FreeBirds

Free-range Design and management

↑ Bird behaviour, health and welfare

↓ Parasites
↑Gut health

↑Usage of free-range areas

↑Animal production

Strains of birds

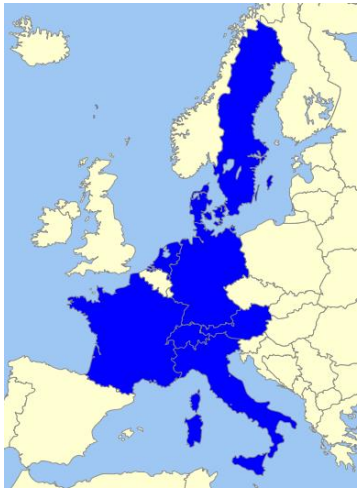
↓ ↑ Nutrition load in soil

SCIENCE AND EDUCATION FOR SUSTAINABLE LIFE

POWER - Proven welfare and resilience in organic pig production

A.G. Kongsted, C. Leeb, E. Merlot, R. Thomsen, E. Salomon, B. Früh, C. Wimmler, A. Prunier, L. Canario, H. Vermeer, H. Spoolder, H. M.-L. Andersen, L. Baldinger, K. Heidbuechel, L. Wahlund, L. Bark, D. Bochicchio, A. Jenni, M. Holinger, S. Moakes, R. Eppenstein

The POWER team



https://projects.au.dk/coreorganiccofund/core-organic-cofund-projects/power/

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