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Optionsfor



Innovative solutions and services to get the most value from forages

dsm-firmenich offers a wide range of innovative solutions and services to get the most value from forages. High-quality forages are a fundamental part of dairy cow's diet, but they can also be a source of mycotoxins contamination.

dsm-firmenich.com

More than 800 maize silage samples were analysed by dsm-firmenich using Spectrum Top 50, a mycotoxin detection service that provides you with a complete view of the mycotoxin contamination. 42% (almost one out of two) of maize silage samples in Europe

presented a real risk level for the farm. Deoxynivalenol (DON), Nivalenol (NIV), and Zearalenone (ZEN) were found at high levels.

Those mycotoxins cause reduced immune response and rumination activity, digestive and fertility problems. That is why deactivating mycotoxins is key to protecting dairy farmer profits. Analysing forages and feed samples is important as well as carefully selecting the adequate solution to mitigate mycotoxin risk.

Here, the Mycofix portfolio represents the most state-of-the-art solution for protecting animal health and ensuring productivity by deactivating mycotoxins.

Forages mineral content variability and their analysis

Trace minerals (TM) are highly variable nutrients in forages. The concentration of TM can be affected by several factors. The crop is a major factor of variation. In addition, the soil type, pH and the type of fertilisation can considerably affect the TM concentration.

animine.eu

It means that geographical areas and local practises are a significant source of variations. For example, the forage Cu content was reviewed in six different regions of the USA (Far West, Great Lakes, Great Plains, Northeast, Southeast and Southwest). Forages from the Northeast region had the highest Cu content, (12.8ppm), followed by Far West region (10ppm), and Southeast region showed the lowest Cu concentration (5.3ppm).

TM content is not routinely

analysed, due to high costs and time. NIR technology is only adapted to organic fraction, but X-ray fluorescence (XRF) technology is accurate to evaluate the inorganic fractions.

AniGun from Animine is a handheld XRF device that evaluates macro and micro minerals in forages in an affordable way, rapidly, on farm. These results can make livestock farming more profitable and environmentally more friendly.



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