

Scout out Lice in Cattle



Lice are a common winter problem in cattle, especially in cold climates. Heavy infestations can rob valuable nutrition when cattle need it most, decreasing gain and leaving cattle more susceptible to disease. All lice cause severe irritation and itching, causing cattle to react by rubbing, licking or chewing on themselves. Infested animals are often restless, focusing on their discomfort rather than eating. And, the broken skin that can result is an avenue for secondary infection. Animals with heavy lice populations rub out patches of hair and may injure the skin. Cattle can be checked for lice by restraining them and looking closely at areas normally infested with lice. Part the hair and look at skin along the back, and the top of the neck.



Lice are spread by direct contact; calves pick up lice from their mothers or herd-mates. Lice can infest cattle all year round, but their numbers are typically low in summer because most lice shed off in spring with winter hair. Cattle's winter hair coat provides lice protection and an ideal environment for reproduction, he says. The life cycle is 20-30 days and the entire cycle takes place on the host, which makes lice an easier parasite to kill.

Adult females attach their eggs to hairs, which hatch in 5-14 days. When the nymphs emerge, they look similar to adults, but smaller, and go through three molts within a week. They advance to egg-laying adults in about 14 days. Garlic has benefit for a natural control of lice, cattle on garlic for 40 days will see the cattle stop rubbing and hair growing back. Contact Pan Ag for the Garlic Solution for ending lice for this 2020 season.

NanoPro

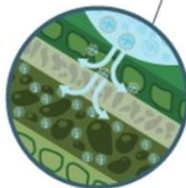
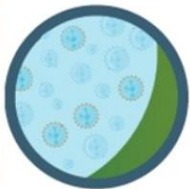
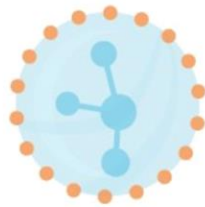
Adding Nano Pro to Glyphosate Improves & Speeds of Weed Kill



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HOW IT WORKS

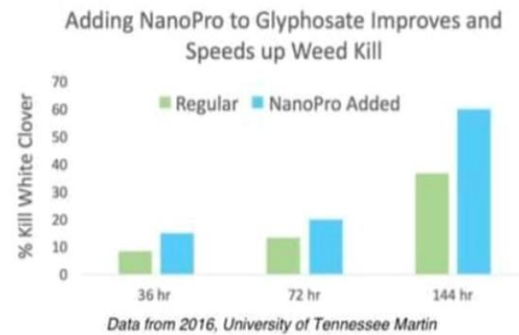
Our Enhanced NanoShield Delivery™ is 1,000 times smaller than a plant cell so each nanoparticle can carry thousands of nutrients.



The E.N.D. carries nutrients, using physics, directly to the plant allowing for increased uptake, decreased inputs and improved yield.

NanoPro Snapshot

60%
improved weed
control using
glyphosate at
full rate



Product Benefits

Faster burn down of weeds

Enhances fungicide activity

Unique formulation promotes cellular access

Higher percentage kill on tough weeds

Highly compatible with most products

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