



Synthetic Medicines Allowed in **ORGANIC LIVESTOCK PRODUCTION**

Only non-synthetic and specifically allowed synthetic medications may be used to treat organic livestock. Below is an introduction to the synthetic materials allowed for organic livestock health care management. Organic producers may not withhold treatment from sick animals, even when the use of non-allowed medicines will result in the animal's loss of organic status. If an animal does not respond to non-synthetic or allowed synthetic medications, all appropriate non-allowed medications must be administered to restore the animal's health. Animals treated with non-allowed medicines must be clearly identified and may never be sold as organic.

Drug	Reason for Use	Restrictions for Use in Organic Production*
Atropine	Pre-anesthesia treatment, etc.	<ul style="list-style-type: none"> » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*
Butorphanol	Pain relief	<ul style="list-style-type: none"> » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*
Flunixin	To reduce pain, inflammation, and fever	<ul style="list-style-type: none"> » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*
Furosemide	Diuretic	<ul style="list-style-type: none"> » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*
Ivermectin, moxidectin, and fenbendazole	Parasiticide	<ul style="list-style-type: none"> » Prohibited in slaughter stock » For emergency treatment for dairy and breeder stock » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*
Lidocaine	Local anesthetic	<ul style="list-style-type: none"> » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*
Magnesium hydroxide	Antacid or laxative	<ul style="list-style-type: none"> » By order of licensed veterinarian
Oxytocin	To induce contractions, milk let-down	<ul style="list-style-type: none"> » For use in postparturition applications only » By order of licensed veterinarian
Poloxalene	To reduce bloat	<ul style="list-style-type: none"> » Emergency treatment only » By order of licensed veterinarian
Procaine	Local anesthetic	<ul style="list-style-type: none"> » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*
Tolazoline	Reverses xylazine-induced sedation	<ul style="list-style-type: none"> » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*
Xylazine	Sedative, anesthetic, muscle relaxant, pain relief	<ul style="list-style-type: none"> » Emergency treatment only » By order of licensed veterinarian » Withdrawal period exceeding FDA requirements*

*For withdrawal period requirements, see the complete National Organic Program (NOP) standards at www.ccof.org

In addition to the materials above, aspirin, vaccines, electrolytes (without antibiotics), Epsom salts, and copper sulfate may be used as medical treatments. For disinfectants, organic operations may use Iodine, hydrogen peroxide, alcohol, and chlorhexidine (in limited cases). All materials must be approved by CCOF and listed on your Organic System Plan Materials List.