

Synthetic Medicines Allowed in Organic Livestock Production **CCOF**

Only non-synthetic and specially allowed synthetic medications may be used to treat organic livestock. Below is an introduction to the synthetic materials allowed in 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 nonsynthetic 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*
Lidocain	Local anesthetic	<ul style="list-style-type: none"> • Withdrawal period exceeding FDA requirements
Xylazine	Sedative, anesthetic, muscle relaxant, pain reducer	<ul style="list-style-type: none"> • Approval by licensed veterinarian required • Withdrawal period exceeding FDA requirements
Procaine	Local anesthetic	<ul style="list-style-type: none"> • Withdrawal period exceeding FDA requirements
Tolazoline	Reverses xylazine-induced sedation	<ul style="list-style-type: none"> • Approval by licensed veterinarian required • Withdrawal period exceeding FDA requirements
Poloxalene	To reduce bloat	<ul style="list-style-type: none"> • Emergency treatment only
Ivermectin	Paraciticide	<ul style="list-style-type: none"> • Prohibited in slaughter stock • For emergency treatment for dairy and breeder stock • Withdrawal period exceeding FDA requirements
Oxytocin	To reduce bleeding following birth	<ul style="list-style-type: none"> • For use in postparturition applications only
Magnesium hydroxide	Antacid or laxative	<ul style="list-style-type: none"> • Approval by licensed veterinarian required
Furosemide	Diuretic	<ul style="list-style-type: none"> • Withdrawal period exceeding FDA requirements
Flunixin	To reduce pain and inflammation	<ul style="list-style-type: none"> • Withdrawal period exceeding FDA requirements
Butorphanol	To reduce pain	<ul style="list-style-type: none"> • Approval by licensed veterinarian required • Withdrawal period exceeding FDA requirements
Atropine	Pre-anesthesia treatment, etc.	<ul style="list-style-type: none"> • Approval by licensed veterinarian required • Withdrawal period exceeding FDA requirements

* For withdrawal period requirements, see the complete National Organic Program 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, ethanol, and chlorhexidine (in limited cases). Certified operations must list all materials in their Organic System Plan and receive approval from their certifier prior to use.

