

Xylazine, Tolazoline, a sedative/analgesic and it's reversal agent

ITEM A

Synthetic substances allowed for use in organic livestock production

ITEM B

1. The substance's common name.

Xylazine hydrochloride/ Tolazoline hydrochloride Common Trade names include Rompun and Anased for xylazine and tolazoline is tolazine.

3. The intended or current use of the substance such as use as a pesticide, animal feed additive, processing aid, nonagricultural ingredient, sanitizer or disinfectant.

Livestock medical treatment

4. A list of the crop, livestock or handling activities for which the substance will be used. If used for crops or livestock, the substance's rate and method of application must be described. If used for handling (including processing), the substance's mode of action must be described.

Sedative and analgesic for short surgical procedures. Also useful for treating colic. Tolazine is the antidote for xylazine and is administered to reverse affects. Essential for completing surgical procedure. Xylazine provides heavy sedation but can also produce bloat in ruminants.

12. A "Petition Justification Statement" which provides justification for one of the following actions requested in the petition:

Xylazine and it's antedate Tolazoline is an essential tool universally used by Veterinarians who work on livestock. Many surgical procedures would not be possible or would be inhumane without such a short term sedative/analgesic. Labeled without holdoff requirements for Deer (ruminants) It is extremely effective for Bovine, sheep and goats. Administered intravenously or intramuscularly by a Veterinarian Xylazine is a systemic anesthetic lasting about an hour. It also hinders rumen mobility so while the effects will dissipate on their own ruminants can bloat so the reversing drug Tolazoline is used. The two materials need to be considered as a pair. The organic industry is without a nonsynthetic alternative.