



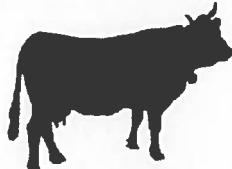







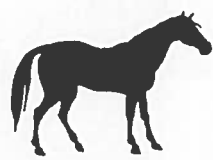

Apple Cider Vinegar For Livestock

The Apple Cider Vinegar we sell is the best on the market. It is made from whole apples so it has a higher concentration of probiotics, enzymes, and a stronger pH. This is "live" 60 grain apple cider vinegar, not white distilled nor "dry" acetic acid. Because the ACV we sell is made from whole apples, not concentrate, it is much much more effective.

Why is ACV Recommended for Virtually All Livestock?

- 1) **Acetic Acid** - ACV is primarily acetic acid, a natural volatile fatty acid found throughout the body and utilized by the animal as a direct form of pure energy and for butterfat and body fat production. It is absorbed directly, through the wall of the rumen.
- 2) **Buffers** - It buffers (alkalizes) rumen and overall blood pH. It is used to prevent or reverse acidosis and ketosis.
- 3) **Digestive Aid/Tonic** - It is used to prevent scours, bloat, gas, reflux, indigestion, and poor digestion.
- 4) **Parasitic Control** - Used to prevent or remove virtually all forms of internal and external parasites.
- 5) **Probiotics** - ACV contains probiotics (beneficial microbes), minerals, vitamins, & nutraceuticals.
- 6) **Immune Aid/Tonic** - Used to improve disease resistance (bacteria, viral, yeast, fungal, or toxin).
- 7) **Malic Acid** - Contains high levels of malic acid which helps cleanse and heal the liver for better digestion and detoxification of toxins and waste.
- 8) **Meat Quality** - May improve texture and flavor of meat. There are no off-flavors to milk, meat or eggs.
- 9) **100% Safe** - Completely safe (after 2-3 days of age), EASY to administer, and very TASTY to animals.
- 10) **Cost Effective** - Less Disease + More Efficient Digestion + Direct Nutritive Value = Long Term Cost Savings

Dosing Recommendations

	<p>Dairy Cows 4-6 oz/day. For Mastitis or high SCC continue at the higher dose (1 oz per 100# of body weight) for 6 weeks.</p>		<p>Beef Cattle 3-6 oz/day General rule of thumb: 1 oz daily per 250# body weight. This will vary depending on body weight, stress level, season, quality of ration, and overall health condition.</p>
	<p>Cow Calf 3-6 oz/day. Will vary depending on body weight, stress level, season, quality of ration, and overall health condition. General rule of thumb: 1 oz daily per 250# body weight.</p>		<p>Swine If possible mix 1-2 cups ACV with 20 gallons of drinking water. Or offer in pan free-choice 50/50 with water. Mix with molasses too (see above). Goal: 1/2-2 oz ACV/day.</p>
	<p>Sheep 1/2-1 oz/day. Offer free-choice 50:50 mix with water.</p>		<p>Kids/Lambs 1/4-1/2 oz/day. Safe after 3 days of age.</p>
	<p>Goats 1/2-1 oz/day. Offer free-choice 50:50 mix with water.</p>		<p>Poultry Mix 1 oz of ACV/gallon of water or free-choice at 50:50 w/ water.</p>
	<p>Equine Offer in water, ideally 2-6 oz/day. Sprinkle on hay or 50:50 free-choice in pan. Used for colic, founder, or other therapy.</p>		<p>Rabbits Mix 1 oz of ACV/gallon of water or free-choice at 50:50 w/ water.</p>

How to administer Apple Cider Vinegar to Livestock:

- 1) **Adding to H₂O** - When mixing in water tank, add 1-2 cups of ACV per 20 gallons of water or 1/4-1/2 cups of ACV per 5 gallons of water. For treatment, the standard dosage is 1 oz per 100# of body weight. Use this method if this is the only water source.
- 2) **Therapeutic Use** - For therapeutic indications, try a free-choice container such as a rubber pan with a 50/50 ACV and water mix.
- 3) **Increased Palatability and Energy Boost** - For increased palatability, and as a powerful energy booster, mix with LIQUID MOLASSES, varying from 30% ACV to 70%. Increasing the molasses proportion will increase energy and palatability; it will also prevent freezing in the winter. Both ACV and molasses improve average daily gains and milk production. We can custom mix the molasses and ACV prior to shipping it right to you!
- 4) **Direct Addition to Feed, Hay, and Silage** - ACV can also be sprinkled directly onto hay, silage or concentrate feed. This is another easy delivery method. It also may have the added benefit of releasing more starch in grains and hay.

More Great Information on Apple Cider Vinegar - An article by Will Winter DVM

<http://www.willwinter.com/#!/Apple-Cider-Vinegar-Stories/cehb/62ED5211-9065-4536-B495-B4C9BD0AD110>

Is it Organic?

You can purchase both certified organic as well as conventional vinegar. There is a price difference in organic over conventional, but both taste and smell wonderful and fresh.

What Amounts Can You Purchase?

Wholesale Prices

Apple Cider Vinegar (55 gallon barrels and 275 gallon totes).....	\$4.00/gallon
Apple Cider Vinegar Organic (55 gallon barrels and 275 gallon totes).....	\$6.00/gallon
Apple Cider Vinegar in handy 2.5 gallon jugs.....New!.....	\$35/ 2 jug box
Apple Cider Vinegar Organic in handy 2.5 gallon jugs.....New!.....	\$45/2 jug box

Shipping Shipping is typically done by the pallet. Customers will typically purchase 1-3 barrels with Wicks Minerals, Salt, and Clay, 4 barrels, or a tote of ACV to economize the shipping cost.

WHERE TO BUY GREAT APPLE CIDER VINEGAR OR GET QUESTIONS ANSWERED:

Grassfarmersupply.com Paul and Sara Freid - 612-791-9637 - info@grassfarmersupply.com

Please Note: These are general recommendations; when in doubt, check with your livestock health care provider.