

Health Recommendations

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Not responsible for use or mis-use of this information. Not all situations need the same remedy. Use wisdom and caution.

Problem Name	Problem Symptoms	Problem Cure	Notes
Alfalfa Weevil		<p>Alfalfa Weevil Spray Treatment</p> <p>3qt/Ac Fertrell Liquid #3 2-3-1</p> <p>2qt/Ac Purespray Green</p> <p>Can also add...</p> <p>1pt/Ac Baicor Liquid Boron 1qt/Ac Baicor Liquid Calcium 5#/Ac Organic Sugar</p> <p>Should be sprayed 4-7 days after cutting – as soon as the alfalfa regrowth starts – we want new leaf growth to absorb the foliar spray but we don't want to wait too long.</p> <p>organic producers face a particular challenge in managing this pest due to the limited number of products available for rescue treatment. Potential options for Ohio organic producers are Pyganic (an organic pyrethrum) at 4.5 oz – 17 oz / acre and Entrust (a spinosad) at the higher rate of 1.25 oz/acre. We have not tested these products, but a University of California study found Entrust at the high rate to be moderately effective for alfalfa weevil control. There is also a Bt product called beetleGONE!® ag that has shown some efficacy in a USDA-ARS trial in Montana.</p>	
Bad Air Quality	Respiratory problems.	Get fresh air in the area.	
Bed Bugs	Bites on skin	Wack them with a shoe till they are black and blue.	
Bed Bugs	Bites on skin	Squeeze them tight so they don't bite tomorrow night.	
Bloating on fresh Pasture	Bloat	Feed 2 OZ Feed Grade Epsom Salt per head per day.	
Bordeaux Mixture	Bordeaux mixture is an old reliable fungicide that effectively controls various fungus diseases of flowers, ornamentals, trees and vegetables.	The standard solution is made of: 8 lbs of copper sulfate (page 18) and 8 lbs of hydrated lime (page 21), thoroughly dissolved in 100 gallons of water. Four level tablespoons copper sulfate and four level tablespoons hydrated lime in one gallon of water is the same mixture. Use 1/2 strength on tender plants.	Do not apply during cool, damp weather, or it may cause "burning" or "spotting" of the leaves. Apply evening or early morning when the sun isn't hot.

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Breeding Problems - Post Breeding	Breeding Problems - Post Breeding	Post-Breeding: Warm to body temp & infuse 30cc of Biocel CBT into uterus 12 hours after breeding.	Agri-Dynamics Recs.
Breeding Problems: No Heats	Breeding Problems: No Heats	Put on pasture. Hemocel 100 2-4 oz/hd/day.	Agri-Dynamics Recs.
Calf Scours		Raw Honey 2 TBS, Apple Cider vinegar less than a 1/4 cup, about a cup to a pint of warm water. Feed 3 feedings with no milk. Than back on regular milk. Can add up to 2 pints of water.	Rastley's recipe
Calf Scours (after 2 weeks old)	Calf Scours (after 2 weeks of birth)	PhytoBiotic 10cc + 250 dextrose IV daily; Neema-Tox or Vermi-Tox 1oz. Daily as needed.	Agri-Dynamics Recs.
Calf Scours (within 2 weeks of birth)	Scours (within 2 weeks of birth)	PhytoBiotic 5cc + ImmuPhyte 5cc	Agri-Dynamics Recs.
Calf Scours, Bacterial Infections	Diarea/thin	Use Black Walnut Hull Powder to help treat bacterial infections (e.Coli, coccidiosis, salmonella, etc.) and calf scours primarily. Here's the treatments: Calf Scours: Consider giving 2 tsp/ calf / day until the scours stop then 1 tsp/day for an additional 7 days. Bacterial Infections: Consider giving 0.5 - 1 tsp /calf / day for 10-14 days depending on the size of the animal and the level of infection. Do not give too much -- you can kill them! Also consider giving a booster like RC Gold at 1/4 -1/2 OZ /calf/day.	Fertrell
Calving	Easier Calving	Feed RC Gold at 1 oz/head/day to help replace a lot of the vitamins and minerals that are being used up quickly due to the stress of freshening soon. To help with swelling, Fertrell recommends Arnica, Apis Mel, and lots of warm water to drink.	
Cold Weather or any other stresser	Weak, unproductive, sickly	Feed RC Gold as rate on the label in addition to the normal vitamins and minerals.	Doubling the mineral mixes isn't recommended because you may get too much mineral in comparison to the vitamins.
Copper for Sheep		Copper is valuable in helping to control parasites as well as filling the nutritional needs of the animals. It is worthwhile to note also that this is often true for sheep also. Many people think that copper cannot be given to sheep. This is not always the case. Unless there is a high copper content in the soil, sheep can also be given Graziers Choice with copper. Too much copper is bad for sheep, but that doesn't mean that they don't need any.	For more info on copper, See 'Lung Worm'.

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Corn Starter, Liquid	A starter fertilizer to get your crop out of the ground quickly to get the roots out into the soil and get ahead of the weeds.	For Agri-dynamics products: At least 1/2 gallon of Plant Sure and 1 Gallon Crop Manna with 5 gallons of water per acre in the row at planting. 1 gal/acre Plant Sure and 2 gal/acre of Crop Manna is better. For Fertrell products: Fertrell Liquid 3-4-3 at 2-4 qt / acre in the row at planting. Plus use chicken manure or other dry fertilizer in addition to all these recommendations. I think the Agri-dynamics program of Plant Sure and Crop Manna is the best option if you are going to only use liquids and chicken manure. The other options will leave you lacking on trace minerals.	I recommend to use a dry starter fertilizer blend like Deluxe Blend or Super N (and no liquid fertilizer) when possible, as you get more nutrients per \$\$ with dry than with liquid.
Cough	Woopping Cough or any such ailment	Take fresh ground flax seed. Pour boiling water over like you are making tea. Let cool and settle. Pour liquid off the top. Add maple syrup or honey if desired. Add a little lemon juice if possible. Give in bottle or cup.	Larissa's reciept
Coxidiosis, Chickens	The birds get brown diarrhea, lethargic, and act cold.	Feed whole milk (preferably raw), spread around the brooder in pie tins. The cheap aluminum ones at the grocery store work. Put ½ inch in the bottom. Use enough of them to feed all the birds at the same time. Do this for 5 days at the first signs of coccidiosis.	Ask for the 'General Info' file.
Dry Cow/Fresh Cow		Hemocel 100 & Graziers Essentials 1oz daily while dry; 2oz. Hemocel until bred.	Agri Dynamics Recs.
External Parasites	Lice/mange/patchy skin & itchy. Flies/ticks.	Flies Be Gone along with Complete Grazier Essentials Mineral.	Agri-Dynamics Recs.
Forage, No Grain	For if you want to grow a quick high quality forage crop without making grain.	Ask for 'Oats planted in August' file.	
Fungus Gnats	Gnats in House Plants	Drench the soil with Pyganic, Neemix, or Azero. Must be done in Larva stage. Probably will have to repeat 2-3 times, a week apart, to kill the eggs that hatch.	
Heart Attack		Cayenne Hot Pepper is known to stop a heart attack and is also good for keeping a heart attack away.	

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Hoof Rot	Hoof rot is a sore/infected spot on the hoof or just above the hoof. It can smell bad. It usually starts from a puncture or injury to the hoof. Hoof rot needs a wet or muddy environment to get really bad and have multiple cases.	Good nutrition will make it happen less often. The hooves will be harder and more resistant to injury and bacterial growth. Limit sources of injury were possible -- Sharp stones in the barnyard or cow lanes. Muddy ground around the water sources. Wire or other metal scrap laying around where the cows may be walking. Look for anything that can cause bruises, cracks, or punctures.	Clean the wounds very well with an antiseptic or antimicrobial soap and water. Then spray some copper sulfate water mixture on the infected areas, (Dissolve a tablespoon or 1 oz of copper sulfate in a quart of hot water.) Feeding free choice kelp will help. Extra copper and zinc may be beneficial. These are not cures, just aids.
Hoof, Hairy Warts	Warts on the heels of animals. They are painful.	Use a dry foot box/bath. Mix 2 50# bags of hydrated lime with 1 50# bag of copper sulfate. Start with an inch of powder. Add a little more each day. Use a dry foot bath for 1 week out of each month. This should keep the hairy warts under control.	Fertrell's recommendation.
Hot Pepper and Garlic Cure	Good for stuff joints, parasites, and other ailments.	Mix equal parts dry cayenne hot pepper and dried garlic. Add some raw apple cider vinegar to make a paste and apply to sore joints. Cover with a cloth and let overnight. Repeat as necessary. Caution -- if it starts to burn your skin, remove cloth covering or you may even need to wash it off. You can also eat some of this mixture. Mix equal parts Diatomaceous Earth, garlic, and cayenne hot pepper and eat for parasite control. Be careful as hot pepper and garlic are both very strong.	Enjoy!! Too much enjoyment? Make into lumps and swallow quickly to bypass your tongue.
Irrigating and Fertilizing with drip tape.	Suggested method of applying liquid fertilizer through drip tape.	Irrigate the bulk of what you want to irrigate if you are wanting to irrigate. Then run the liquid fertilizer through the drip. Then thoroughly flush the fertilizer out of the drip.	There is no need to wash the fertilizer into the soil with lots of water. But it is important to thoroughly flush the fertilizer out of the drip tape.

Problem Name	Problem Symptoms	Problem Cure	Notes
Ketosis	Decreased appetite, weight loss, decreased milk production, dull coat, acetone smell of breath or milk, fever.	10 OZ Cal Quench once per day in 5 gallons of warm water for 3 days with Super Boast 4 capsules per day (2 capsules twice per day) for 3 days. This treatment is good for Ketosis that comes on right after they calve or within a few weeks. For herds with lots of Ketosis trouble, as a preventive, mix 1# Opti-peak with 5 gallons of warm water right after they freshen and then the same dose for 2 days after (3 days total). Drench the cow if you have to to get enough in her. Don't give Cal Quench or Super Boost with Opti-peak as Opti-Peak has some of the same ingredients.	Helping Ketosis isn't just about giving them sugar. The Cal Quench is for balancing the energy in the cow. The Super Boost is for their appetite and increasing their dry matter intake. Super Boost will also help with the fat in the liver and cleaning the liver. If your cow has Nervous Ketosis, call a vet.
Ketosis (Severe)	Cow is chewing the pipes, nibbling at herself, "nosing" at feed.	60-90cc Hepatone in 500cc dextrose IV daily as needed for severe Ketosis.	Agri-dynamics Recs
Leaf Hoppers	They suck the chlorophyll out of the plants which reduces photosynthesis. Their feeding on the plant causes the plants to turn yellowish this is often referred to as hopperburn.	Mix and spray ½ gal. Plant Sure, 5 lb Magnesium Sulfate, 5 lb. sugar or 1-2 gal. Molasses, 1 qt. raw neem oil, 1 cup Phyto guard, 15 gal. water, per acre. If in a drought, nothing will really work because the stress is no water. For hay/alfalfa, if it is 30 days or more from last cutting, just mow it and then treat it with above mix. For potato, add a good dose of Surround early on with above mix. Leaf hoppers carry a virus that kills potatoes quickly and does not grow back like alfalfa does.	Leafhoppers are a very common and damaging insect. Typically they prefer alfalfa and potatoes. The Neem Oil in this recipe is calculated as 100% Neem Oil. If your source is less, use more accordingly.
Lice	Lice on skin and get skinny.	Use Lice and Mange Wash, DE, or No-fly	If one cure doesn't work, try another.

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Lice or Mange	Lice are visible to the human eye and basically look like walking dandruff. Mange are not visible to the naked eye as they are so small/microscopic. Mange burrow in between the layers of the skin causing irritation and itching.	Either type of parasite should respond to the Lice & Mange Wash. Mix a 1:1 dilution ratio (one part Lice & Mange Wash to 1 part Water) and thoroughly spray the calf down to it's hide with the solution. You do not have to rinse the Lice & Mange Wash off, in fact, we recommend letting it air dry as the essential oils will help with the healing of the skin and unlike chemical based applications which use pesticides to kill the parasites, the Lice and Mange wash uses an enzymatic reaction that breaks down the exoskeleton of the parasite, so make sure you do not mix the solution up until you are ready to spray it on (it is time sensitive). Be sure you thoroughly soak the hair and skin all over the body to provide complete coverage. You can also use the Oil Based Fly Repellent for lice or mange but it can have variable results/ mixed success.	It's recommended to give an immune support product too. The Aloe Vera Juice either given orally or mixed in the milk, or giving an injection of Immunoblast/ Amplimmune is recommended. Or use Crystal Pellets for a limited time (the pellets are really just aloe vera and cumin in a pelleted form), that could provide immune support and help decrease inflammation as well. Crystal Creek Suggestions.
Lung Worm	Coughing, Normal Temperature	Crystal Creek and Fertrell have nothing. Ask your certifier if they will make an exception for you. Copper Sulfate is good for killing things. ½ pound of copper sulfate per ton of feed should be the right amount. DON'T over feed it. It is, can or will be toxic. You can also make a mixture of 50# kelp, 50# Salt and 4 oz. of copper sulfate as a free choice offering. Keep in mind – Copper kills. Little is great, a lot is not!!!!	Consider giving immune support of Crystal Pellets and Nutri-vit or RC Gold (1.5 OZ) or Garlic. Consider intestinal parasites as well -- If so, use a heavy dose of Pivot or Herbal Paste. Also make sure you have a good diet and mineral program.
Mastitis		Put 2 tubes Phyto-mast into quarter for 2 milkings in a row.	
Mastitis	Hard udder, even absessed.	1/2-1 cup coconut oil, 2 tsp chamomile, 1-2 droppers echinacea tincture, 2-3 TBS fresh crushed garlic, 1/2-1 tsp hot cayenne pepper, 1-3 tsp sage. Make into a salve and apply to udder and infected area.	From Britany Martin MFS doesn't sell any of these ingredients. You probably have all these ingredients in your kitchen or you can buy it at a food store.

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Mastitis Flare-Up	Flakey, stringy, clotted, irregular milk.	Treat early! 2 tubes of Phyto-Mast into quarter for 2 milkings in a row.	Agri-Dynamics Recs.
Mastitis - Yeast		2 tubes of Phyto-Mast into quarter for at least 2-4 milkings in a row.	Agri-Dynamics Recs.
Mastitis Acute	Treat within first 12 hours of symptoms. Hard, hot quarter, watery secretion, fever, off-feed.	60-90cc Phyto-Biotic and/or Inflammago in 50cc dextrose IV daily.	Agri-Dynamics Recs.
Mastitis Chronic		2 tubes of Phyto-Mast into quarter for 2 or more milkings.	Agri-Dynamcs Recs.
Mastitis, Staff		Antibiotics if absolutely necessary.	Give treatment during a heat cycle if possible. The tissue is more open due to slight fever. It tends to shed down during a heat cycle.
Mineral Program for Cattle -- Nathaniel Martin	For having healthy, productive cattle year round.	Free choice (in order of importance) salt, kelp, Dynamine, Winter-mune, PC-Premix, and Cattle Choice (sometimes).	It's recommended to feed year round. If you stop feeding minerals, and then start again, they will eat a lot to start with. So you are better off feeding consistantly year round.
Molds/Mycotoxins	Poor health, poor digestion, poor hair coats, poor production.	Dyna-Min; Native Lick; Aqua-Nox 4oz/100gal water; Winter-Mune, Graziers Essentials	Agri-Dynamics Recs.
Off-feed		Off-feed: Hemocel Bullet 2-3 capsules every milking. Dyna-Vites 2-3 capsules every milking.	Agri-Dynamics Recs.
Pig Wormer		1 cup milk 1 cup Diatomaceous earth 1 egg 2 cloves of garlic ¼ tsp cayenne ¼ tsp copper sulfate 1 tbsp honey or molasses	From Fertrell. This recipe is for a full grown pig. Smaller pigs need a smaller portion compared to their body weight.
Pink Eye	Cloudy, irritated, running, sore eyes.	Spray Wound Spray into eyes. Repeat as needed. 3-4 times per day is recommended for more severe cases.	

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Pink Eye and eye health.	Cloudy, irritated, running, sore eyes.	Phyto-mast -- One quarter to one half of a tube squirted into eye twice daily or as needed. Or mix with water to thin and spray it into the eye.	
Pinkeye		Vaccinate to prevent; keep affected animals away from sunlight. (1) Graziers Essentials & kelp 2oz daily 45 days pre-season; Aqua-Nox 4oz/100gal water; Winter-Mune feed as per label.	Agri-Dynamics Recs.
Pneumonia	For Milk Cows, Give calves less than this recommends.	1-2 OZ Garlic Oil (Fertrell) every 2-4 hours for first day. And then after that, a few times a day for 2-3 days longer. Stop when symptoms are fine. Be careful of putting the milk in the tank as it can affect the milk.	Leanard Martin's remedy.
Pneumonia (calves, serious)	Cough at rest.	10cc Pulmonex + 10cc PhytoBiotic +10cc Inflammago in 250cc dextrose IV daily	Agri-Dynamics Recs.
Pneumonia(adult cows)	Adult cows, early T<103°(quicker breathing, mild coughing when moved). Put animals in fresh air	15cc Pulmonex + 15cc Phyto-biotic + 15cc Inflammago twice daily for 3 days with equal parts glycerin or Olive Oil	Agri-Dynamics Recs.
Pneumonia(calves, early)	Slight Cough when moved	Put animals in fresh air. 5cc Pulmonex and 5cc PhytoBiotic twice daily orally for 3-5 days	Agri-Dynamics Recs.
Pneumonia(cows, serious)	Cows, serious T>104° (labored breathing, coughing when still) Put animals in fresh air	30-60cc Pulmonex and/or 30-60cc PhytoBiotic in 500cc dextrose IV every 12-24 hours	Agri-Dynamics Recs.
Potato Bugs	Ugly Bugs on plants	Squish Them	Hard to get rid of
Retained Placenta	Afterbirth doesn't come out within a few days.	For retained Placenta without fever: Crystal Pellets or gel for immune boost. Power Powder for infection. Caulophyllum tincture for contracting the uterus. If she has a fever, also use asperin and Aloe gel for the fever and inflammation. If you know how to do a uterin flush or know someone who does, use aloe juice with caulophullum tincture. You are on your own on the amounts. If this isn't sufficient to fix the problem, probably should call a vet.	It's not recommended to pull on the afterbirth to get it to come out.
Rust Stains on Metal	Streaks going down from exposed steel on the paint. Ask to see picture.	Wash off with a mild acid like Coke.	The rust stains probably won't come back again, because there is a protective layer formed when the metal initially rusts.

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Rye in Feed Mixes	Yes you can feed rye to cows and other animals. Just be sure to check the ergot levels and other mycotoxins. We don't want to kill animals with ergot.	Usually you can use rye up to 400lb per ton of feed without any side effects. Above that level you would want to consider using added nutrizyme for digestion.	From Fertrell
Somatic Cell Count causes	Drinking from water puddles is not likely the cause of high SCC. Farmers would like to find blame with Water, Grain mix, minerals, etc. When actually SCC is 90% management and environmental.	<p>-Poor bedding or ground conditions – too wet - the ground has a high moisture content this will allow bacteria to breed and infect the cow. Manure similar to the ground moisture – if the bedding area isn't properly cleaned it will also breed bacteria Dripped milk on bed – again milk residue on the cow beds in the barn will definitely increase the chances of SCC</p> <p>Moldy bedding</p> <p>Not enough bedding</p> <p>Flies will carry bacteria from teat to teat.</p> <p>-Stress –</p> <p>Improper milking procedures – prewash and post dip</p> <p>Inconsistent or too high or low of milking vacuum</p> <p>This applies to hand milkers – the same person needs to milk the same cows each time.</p> <p>Worn inflations</p> <p>Dirty or incorrectly set pulsation</p> <p>Heat</p> <p>Flies</p> <p>Handling and moving them</p> <p>Walking too far to pastures – barn</p> <p>Stray voltage</p> <p>All of these things will weaken the immune system allowing for higher SCC. It reduces the cow's ability to fight off infections</p>	
Somatic Cell Count High		35cc Biocel CBT daily for 3 days and/or 60cc once every 21 days	Agri-Dynamics Recs.

Problem Name	Problem Symptoms	Problem Cure	Notes
Spotted Wing Dros Fly (Drosophila)	Bugs sting the berries just before they are ripe. That causes the berries to be soft and rot. The infected fruit is safe to eat if preserved quickly enough.	Mix 4 tsp white sugar, 2.5 OZ bakers yeast, 12 OZ of warm water (not hot). (1# Sugar, 4.25# yeast, 2.5 gallons of water). Spray 1# of PFR-97 per acre with enough of the sugar/yeast water for thorough coverage. (Or mix 1.4-3.2 OZ PFR-97 with 20 gallons of water.) It works best to premix the products with some water before combining together. Aggitation continuously for 20-30 minutes until everything is dissolved. Wet the leaves but not that much that it runs off. Apply every 3-10 days, preferably when the sun isn't out. Use the lower rate of PFR-97 when spraying often. A small amount often is better then a high dosage infrequently. Start spraying when the earliest blueberries start to ripen. Spray for 2-3 weeks (about 6-7 sprays total for the season). You may need to spray longer if you have a long picking season.	The sugar and yeast draws the flies so they drink the mixture. Any fruit with a soft shell is suseptible to this fly.
Stress in Animals	Poor production, weak, skinny, not vibrant from stress of any kind like cold weather, drought, heat, etc. Any time there is a disease or injury is a source of stress.	Feed RC Gold, in addition to any other remedy you use.	Makes a big difference.
Udder Edema		4 Aqua-Flow capsules day 1 then 2-4 on day(s) 2-3.	Agri-Dynamics Recs.
Uteris Infection	Bad smell, may have a fever.	Power Powder Crystal Creek is good for fighting the infection. Crystal Pellets is good for the immune system. Some folks infuse 5CC 7% iodine with 55CC sterile water and infuse 5CC Vitamin C with 55CC sterile water.	If the cow has a fever, you probably want to call the vet. Did the cow clean after freshening???
Worms in Calves	Dull coat, loose manure, pot bellies, thin.	Consider giving Black Walnut Hull at 1/2-1 TBS /calf/day for 7 days (7 doses). Do not give too much -- you can kill them! Also consider giving a booster like RC Gold at 1/4 - 1/2 OZ /calf/day.	Fertrell (For internal parasites for 300# calves.)