

**BUCK MOUNTAIN
ANIMAL HEALTH**
A DIVISION OF
**BUCK MOUNTAIN
BOTANICALS, INC.**

Buck Mountain Botanicals is a grower and producer of veterinary botanical products for all creatures. Our products include wound treatments; sedatives; hepatic, renal and cardiac supports; glucosamine sulfate; antimicrobials; immune system supports; anthelmintics; anti-inflammatories; products for dermatitis; urinary tract irritation, seizures, hyperthyroid, cushings disease and neoplasene for tumors and warts.

We are conducting active research to establish the highest standards of quality, dosage information and clinical procedures.



2013

**WHOLESALE
CATALOG**

**Veterinary medicine
for all creatures**



**WE SUPPLY PRODUCTS
TO VETERINARIANS,
PHYSICIANS
& PET STORES**

BUCK MOUNTAIN BOTANICALS, INC
HC 30
Miles City, MT 59301
PHONE 406-232-1185
FAX 406-232-4491
buckmountainherbs@hotmail.com

WEBSITE: BuckMountainBotanicals.net

BUCK MOUNTAIN LABORATORIES

Our highest in demand products. They deliver high efficacy for care of the most commonly presented ailments.

NEOPLASM, PROUD FLESH & WARTS

Neoplasene for topical and oral administration.

NeoplaseneX infusible with saline solution or injectable with methyl sulfoxide. Google Neoplasene.

EXTERNAL PARASITES

Parasite Dust is non-mutagenic and nontoxic to warm-blooded mammals, fish and birds. It effectively disables then kills or repels flies, fleas, ticks, lice, mites, spiders, ants, moths, centipedes, beetles and more.

HEPATIC AND RENAL CARE

Milk Thistle is used for hepatoprotection and detoxification, cell regeneration and as a potent antioxidant. Milk thistle almost always corrects liver problems and makes an otherwise harsh treatment protocol acceptable.

WOUNDS AND SKIN IRRITATIONS

Wound Balm is a moisturizing wound treatment that accelerates healing. It is effective on hard to close chronic wounds.

OPEN WOUNDS

Yarrow is hemostatic, strongly antimicrobial, analgesic, anti-inflammatory and a cell proliferator.

KIDNEY FLUSH

Uva ursi is used to treat and prevent urinary tract deposits, infections and incontinence.

CARDIOVASCULAR

Hawthorn dilates and relaxes blood vessels. Use for congestive heart failure, myocardial ischemia, hypertension, circulation problems and laminitis.

SEDATION

Valerian is used for separation anxiety, animals in transit, thunderstorm dogs, performance horses, show animals and all hyperactive creatures.

IMMUNE SYSTEM

Astragalus is used for chemotherapy adjunct care, low platelet count and for potent elevation of the immune system.

JOINT HEALTH

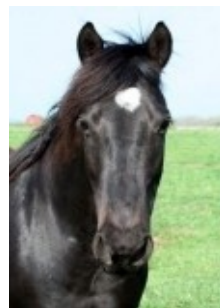
Glucosamine sulfate is 90-98% bioavailable and it is inexpensive.

HYPERTHYROID

Thyrolite binds thyrotropin and Graves TSI. It precludes receptor activation. It has 350 mg./ml levo-carnitine which is a thyroid inhibitor.

SEIZURES

Lepsilyte is a GABA enhancer and significantly lessens the frequency and severity of seizures. It is not toxic to the liver.



Lepsilyte

Seizures of unknown origin are collectively referred to as epilepsy. Seizures are an all too common malady affecting animals. Phenobarbital and/or potassium bromide are routinely used. They are both toxic in therapeutic dose concentrations. Specifically they are hard on the liver. Of special note is that the inhibition of gamma amino butric acid (GABA) induces seizure. The logic is that enhancement of GABA should inhibit the frequency and severity, of epileptic fits. It turns out to be so! Those things that enhance GABA include (per 40 pounds):

- Lepsilyte 1 ml. s.i.d. to q.i.d. depending on severity
- Vitamin B₆ 15 mg. t.i.d.
- Vitamin E₁ 100 iu. s.i.d.
- Taurine 100 mg. t.i.d.
- Mg 75 mg. t.i.d.
- Mn 3 mg. t.i.d.
- Selenium 25 ug. s.i.d.
- Zn 10 mg. s.i.d.

It is recommend that Lepsilyte and the vitamins be administered. If seizures are controlled, that is all that's needed. If seizures continue, at any level, add the remainder of the mineral supplements.

An easy way to administer this drug to dogs is to cut up a slice of bread into 1" squares. Keep them in a baggie in the refrigerator to keep them fresh. Keep a pound of raw ground meat in the refrigerator and a back up pound in the freezer. At medicine time make a thin patty of the ground meat and place a bread square in the middle of the patty. Measure the liquid dose and put it on the bread where it will quickly be absorbed. Roll the bread, with the medicine, up in a meatball and throw it to your little buddy who all the time you are preparing the dose will be jumping up and down in anticipation of the "treat" you are preparing. For cats mix the appropriate dose with fish oil and mix it thoroughly with wet meaty cat food. For livestock you can mix the dose with a small amount of sweet feed or simply dr ench the animal.

Hyperthyroid

Bugleweed extract effectively binds thyrotropin and Graves thyroid stimulating immunoglobulin (TSI) and precludes receptor activation. Lemon balm extract also does so to a lesser extent. The mechanism of action of the extracts of Lycopus (i.e. bugleweed) and Melissa (i.e. lemon balm) is debated. However that it is effective is well documented.

Levo-carnitine (L. carnitine) is a thyroid inhibitor.

Bugleweed used alone is usually effective on mild cases of hyperthyroid. The appropriate dose is 0.1 to 0.2 cc per 10 pounds weight, bid. For more severe conditions, we supply a product called Thyrolyte. It is Lycopodium and Melissa extract with 350 mg/ml of L-carnitine per cc.

Results obtained since these products were introduced in mid-2007 indicate that a high level of success can be expected. For patients already on other drugs (e.g. Tapazole) we recommend phasing out present drugs and phasing in Bugleweed a/k/a Hyperthyroid Support, or Thyrolyte depending on the severity of the problem. Neither of these medications is hard on the liver or kidneys.

Milk thistle

Milk thistle is deserving of wonder drug status, it enjoys a rich history dating back millennia. The Roman Pliny the Elder wrote of Milk Thistle's virtues. Culpepper – England's infamous herbalist set forth Milk thistles utility for liver and spleen health as well as its efficacy for jaundice.

Four primary flavonolignans, silybin (silibinin), silychristin (silichristin) silidianin, silihectin and others make up what is known collectively as silymarin. Silybin is the most active, of these chemicals, as to hepatoprotection and antioxidant effects. Several other lignans are also present. About 20% oil made up of oleic lipoic acids and other acids.

The drug silymarin is a mistake when it is standardized for oral administration. It is poorly soluble in water or HCl and poorly available from the gastrointestinal tract. Therefore standardized 80% silymarin is an expensive ineffective medicine that could best be given parenterally.

The seed of the plant contains up to 8% silymarin. The many chemicals in the seed prove to be the best delivery vehicle for silymarin. Buck Mountain does not try to isolate known or suspected primary pharmacologic constituents. Improving on millions of years of evolution is an illusion, ill conceived and ill achieved effort.

Pharmacology

Milk thistle's most important therapeutic efficacies are: cell regeneration, antioxidant and hepatoprotection against a vast array of toxins.

The mechanism of Milk thistle's favorable influence on the liver is not well understood. There have been numerous research papers published that leave us with our continued poor understanding. What is clear is that silymarin, and related plant chemicals, do demonstrate amazing influence on the liver, and its function. Silymarin (silybin) potentiates DNA and RNA production. This results in cell growth and liver repair through protein synthesis. As an antioxidant it is many times more potent than Vitamin E! Silymarin is a pro-oxidant free radical scavenger and it does encourage concentration of glutathione in cells -- a big plus 35% to 50% over normal. Glutathione (GSH) is required in detoxification. Just how these desirable outcomes are accomplished is a matter of conjecture in the literature. Silymarin also inhibits peroxidizing enzymes blocking peroxidases of fatty acids and membrane damage.

Clinical Use

The seed of the Milk thistle is hard, a bit shiny and preserves its contents indefinitely. A large proportion will, and does, pass through the G.I. tract and is wasted if it is ingested whole. The ground encapsulated seed is adequately preserved, convenient and efficient to administer.

The whole ground seed:

- works better than 80% standardized silymarin products,
- usually corrects liver enzyme imbalances,
- protects the liver from harsh drugs,
- protects the liver when the animal is exposed to toxic chemicals and
- it is easy to administer.

Further it boosts milk production and is a very effective cure for jaundice. It is a preventative treatment for glaucoma and cloudy eyes as in aging dogs (i.e. lenticular sclerosis).

It is a positive treatment for: hepatitis, gallstones, psoriasis, and cirrhosis.

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DISCLAIMER

We did not invent botanical medicines and we do not recommend that the use of botanical medicines should be undertaken on the strength of our restatement of historical usage and documented research.

We do restate well documented traditional efficacy and the results of ongoing research. Personal experience is included where deemed appropriate.

Regardless of the merits of any plant medicine, side effects do sometimes occur. These may be real or imagined. Always seek the counsel and advice of qualified medical professionals and use caution with any medication, plant derived or otherwise.

We do not accept responsibility for the use or misuse of any product put forth or any information provided.

NOTES

1. Oral dosages as given are for carnivores by body weight. It is advised to dose low initially and adjust upwards as the circumstances direct.
2. Do not scale up dosages for large herbivores by their weight! Large herbivores, such as cattle or horses, usually require approximately twice or three times the dosage of a 200 lb. carnivore.
3. Terrence S. Fox, Ph.D., the founder of Buck Mountain Botanicals, Inc. is a life member of United Plant Savers.
4. Dr. Fox is deeply involved in research and development of botanical derived medicines and their efficacy in veterinary practice.

Product Narrative

by T .S. Fox, Ph.D.

Wound Aid for Animals is yarrow, *Achillea millefolium*, harvested in full bloom, dried and powdered. It is liberally applied to open bleeding, oozing or otherwise raw wounds. I have used it most on horses with moderately severe to gruesome wire cuts. I apply it by liberally sprinkling it on the open wound or throwing it on the wound if the horse is not cooperative or restrained. A large quantity will adhere to the wound. Yarrow is a hemostat -or blood stopper -it works best on lacerations. It does not impress me as a blood stopper on incisions or clipped nails. It does work effectively to stop oozing sutured incisions. It is anti-inflammatory, antimicrobial and accelerates wound healing with reduced formation of scar tissue.

Apply liberally to affected area twice daily.

Proud flesh has not developed on any of the horses I've treated with this product. In fact, where proud flesh has already existed, before treatment, the problem was resolved.

Contact dermatitis occasionally occurs with topical application of yarrow.

Wound Balm for Animals - This product is an emulsion of the extract of burdock root, echinacea root and yarrow herb in olive oil. It is applied topically as needed.

Wound Balm for Animals is one of our most popular products due to its strong efficacy on ailments including:

- minor cuts
- closed wounds
- sunburn
- insect bites
- cold sores
- skin blemishes (acne)
- athletes foot
- cracked hands and feet
- chapped lips
- minor skin infections

Animals sometimes lick off this product. Powdered yarrow (e.g. Wound Aid for Animals) is very bad tasting and adheres well to Wound Balm for Animals. It is recommended that a thin layer of Wound Aid for Animals be applied to Wound Balm for Animals to counter licking.

Wound Balm for Animals is recommended to be applied twice daily. On large granular wounds a liberal application is more appropriate than a sparing application.

If an infection is not clean and dry an acceleration of the infection may occur when sealed with any salve.

Arnica Liniment for Animals - The liniment is made from *Arnica fulgens* which is native to southeastern Montana. Arnica is effective as a mild topical analgesic, anti-inflammatory and antimicrobial. Arnica is recommended and has a long history of use on:

- arthritis
- itchy hot spots
- contusions
- minor skin infections
- muscular aches and pains

Arnica liniment can be cut with glycerin to extend the product, thicken it and reduce waste.

Liniment is recommended to be applied liberally onto the target area every 4 to 6 hours as needed. At each application allow the liniment to evaporate and repeat three times.

The product is toxic when taken internally and stings when applied topically to raw flesh.

Contact dermatitis is sometimes noted. The liniment is for topical use only.

Pulsatilla for Animals -*Anemone pulsatilla* is a central nervous system depressant. The active pharmacological constituents are anemonin and protoanemonin both of which are sedatives.

Two cc orally per hundred weight up to four times daily for carnivores is recommended to subdue pain. Four cc orally per hundred weight is recommended for an agitated thunderstorm or 4th of July dog.

Fifteen (15) cc usually will quiet a horse for the farrier.

This product should be used only by veterinarians or knowledgeable scientists as it is potentially dangerous if the protoanemonin constituent is not sufficiently reduced.

Valerian for Animals -*Valeriana sitchensis* is commonly named sitka valerian. It is the most potent of the valerian depressants and has long been used as a sleep aid and anxiety reducing agent for travel and separation.

Our product has found wide use post operation and post acupuncture as a means to provide a quiet convalescence for the animal. It is usually administered by the pet owner during after care. It is usually a good choice for traveling pets as a means to treat anxiety. Valerian and skullcap together is indicated for animals subject to seizures.

Valerian is attractive to cats and is widely used to quiet performance horses. Some equine associations have banned it and test for it.

Two cc orally per 100 weight for carnivores is recommended. Use eight to twelve cc for large herbivores.

Occasional occurrence of reverse reaction is noted as well as occasional bad dreams and headaches.

It is GRAS (generally regarded as safe by the FDA as a food supplement).

Milk Thistle for Animals - Milk Thistle, silymarin, acts largely on the liver and kidneys. It is a wonder drug.

It is a well known protection against hepatotoxins. It has a long history of successful use:

- liver detoxification

- blood and immunomodulation
- lipid and biliary effects
- cirrhosis (but not in decompensated cirrhosis)
- hepatitis
- antioxidant
- cell regeneration

1 gram orally per 100 weight b.i.d. for carnivores is recommended. It tastes grainy and can be sprinkled on or mixed with food.

It is regarded as nontoxic (GRAS) with only occasional GI distress and allergic reaction.

Hawthorn for the Heart - Extract and capsules are available. The extract is made by alcohol and water extraction of the blossoms, leaves and twigs in the early spring. Capsules are produced from the haws which develop in late August and September.

Hawthorn has multiple high efficacy for cardiovascular ailments. It has beneficial effect in atherosclerosis, angina and ischemia. It dilates blood vessels and relaxes them resulting in lower blood pressure. Hawthorn is indicated for congestive heart failure.

Up to one gram orally per 100 weight daily for carnivores is recommended.

Side effects are rare however large doses may precipitate hypotension and sedation.

Grindelia for Animals - The elixir is the resin of *Grindelia squarrosa* extracted in ethyl alcohol. In my opinion Grindelia is the best cough suppressant and expectorant

available in nature. It can be cut with syrup or water. I use up to eight parts light weight syrup (from canned fruit) to one part elixir. It is recommended as a treatment for respiratory infections.

It has found wide use as it is an antispasmodic, analgesic, anti-inflammatory, antimicrobial and stimulates mucous secretion. As such it is indicated for:

- cough
- congestion
- sore throat
- laryngitis
- topical treatment of poison ivy and poison oak.

I use four ozs. of the cut elixir for horses with acute or chronic cough or respiratory infection twice daily.

Use four cc per 100 weight for carnivores orally as needed, cut with water, syrup, juice or any palatable liquid is recommended. Use only a few drops for cats in oily food.

Large doses may cause profuse sweating (i.e. more than five cc of the uncut elixir per 100 weight).

Echinacea - Many commercially available tinctures of echinacea are diluted 2 to 4 times before retail packaging. It is normally composed of the root and/or the herb of *Echinacea purpurea*. Our product is not diluted and comprised of the root of *Echinacea angustifolia*. *Echinacea angustifolia* is, in my opinion, the Cadillac of all the echinaceas.

Echinacea is a booster of the immune system and is an antimicrobial. My opinion is that it performs best as an immune system booster

and its efficacy as a cure is limited. I also believe that it is overrated as an oral antibiotic. There are others who disagree and claim it to be an effective oral antibiotic.

Side effects are minimal and rare.

Goldenseal for Animals - We grow our goldenseal. Goldenseal is used topically for minor infections and has long been used, diluted with distilled water, as an eye-wash.

Use full strength topically and dilute with distilled water (i.e. 3 to 5 drops goldenseal extract per ounce of distilled water) as an eye wash. For use as a dermatitis rinse, dilute one ounce with a pint of water. Apply the rinse with a spritzer twice daily for dermatitis. Hold the hair out of the way and dampen the skin.

Orally one cc per 100 pounds weight is appropriate for urinary tract infections.

Goldenseal is contraindicated for cardiovascular conditions. It is also contraindicated during pregnancy.

Wound Wash for Animals - Whole leaf *Aloe vera* gel and Tea tree oil are put into solution with a benign surfactant.

Tea tree oil is antimicrobial and acts as a preservative for the *Aloe vera* gel. Shelf life of the wound management wash is unknown, but is substantial. Refrigeration is recommended.

This product is to be applied liberally as a wash and disinfectant for wounds and can be left on the wound to accelerate healing.

Aloe vera gel (whole leaf) and Tea tree oil are the active ingredients in this wash, neither are to be ingested. Both are associated with contact eczema and dermatitis and the use of this product should be discontinued if skin irritation develops.

This product is to be used sparingly on cats and other small creatures.

Glucosamine Sulfate for Animals - *Glucosamine sulfate* is the preferred form of glucosamine for providing cartilage repair material for osteoarthritis recovery.

Use two to three grams daily per 75 lbs. for osteoarthritis, reduce dose to 1 gram daily after 10 days. Use one heaping tablespoon daily for large herbivores.

Glucosamine sulfate has a mildly objectionable taste that may be masked with a good tasting carrier such as ground meat or grain.

Glucosamine is contraindicated for patients with diabetes.

Aspidium for Animals -capsules - This product is made from the root of *Dryopteris filix-mas*; known also as aspidium and male fern. The herb contains filicin and filmarone both of which are toxic to tapeworms and other parasites.

Therapeutic doses may be close to toxic levels. Therefore, milk thistle should be administered beginning one day before aspidium and continued for a few days post aspidium.

The powdered root is taken orally one gram per 12½ pounds body weight twice daily. A non-oily purgative aids discharge of stunned

taenia. Avoid fatty foods and oils before and during treatment. Usually, two or three days are sufficient to expel all taenia.

It is best to start with a moderate dose and be careful to not overdose, as cardiac and/or respiratory failure may result from overdose.

Black Walnut for Animals - extract -

The unripe hulls are extracted in alcohol and water. Black Walnut is antimicrobial due to its content of juglone. It is effective on many skin disorders as well as being an efficacious vermifuge.

Black walnut extract is very effective topically on ringworm.

Juglone is considered toxic and caution is advised in the use of black walnut. It is recommended to start with a low dosage of 1 or 2 drops per 10 pounds weight and increase by 1 or 2 drops per day until parasites are expelled.

Simultaneous administration of the ground seed of milk thistle is advised at one 400 mg. -0- capsule per 50 pounds weight. Continue milk thistle for at least one week after cessation of black walnut.

Black walnut is contraindicated during pregnancy and chronic G.I. disorders.

AVOID USE ON HORSES!

Black Walnut for Animals - capsules

The ground unripe hulls are encapsulated in 350 mg. -0- capsules. They are taken internally for parasites as well as a variety of skin disorders. Recent claims of efficacy as a treatment for heartworm have not been substantiated by clinical trials. However many veterinarians report success.

As a vermifuge one capsule for each 40 pounds of weight twice daily with food is recommended.

Simultaneous treatment with milk thistle for hepato-protection is advised. Use one 400 mg., capsule of the ground seed per 50 pounds weight.

Black walnut is contraindicated during pregnancy and chronic G.I. disorders.

AVOID USE ON HORSES!

Burdock for Animals - extract - Burdock is widely used as a food in Asia and I am increasingly seeing the fresh root in organic sections of supermarkets in the U.S.

Burdock is antimicrobial, antitumor, antipyretic, diuretic and diaphoretic. It is the most prominent active ingredient in our popular Wound Balm for Animals, see page 1. Burdock is the key ingredient in the well known Hoxsey formula.

Burdock is indicated for fever; fluid retention; dermatitis and many other microbial infections. Burdock is herpes active in-vivo and HIV 1 active in-vitro.

Dosage recommended is 0.5 cc per 50 pounds weight twice daily.

Contact dermatitis sometimes occurs. Burdock is generally considered a safe and edible plant.



Chamomile for Animals - extract

Chamomile is antispasmodic; has sedative properties and is an anti-inflammatory. It is useful in the treatment of G.I. ailments. It is an anthelmintic vermafuge that is much less harsh than other botanical dewormers. Its efficacy can be amplified if combined with other botanical anthelmintics such as aspidium, wormwood, black walnut or garlic.

Dosage is generally one cc per 50 pounds weight and eight cc for large herbivores, twice daily. As an anthelmintic it is used alone or used one to one with other herbs. When used with aspidium, wormwood or black walnut it is recommended to simultaneously treat with 400 mg. capsules of ground milk thistle seed per 50 pounds weight for hepato-protection.

Chamomile is contraindicated during pregnancy as it is estrogen active and may be abortifacient. It should be avoided with anticoagulants especially warfarin.

Comfrey for Animals - extract and powder

- Comfrey is anti-inflammatory and a cell proliferator. It is useful for topical treatment of wounds, insect bites, nicks, scrapes, burns. It is a healing aid in contusions, sprains and fractures when applied directly to the closed wound as a poultice. Comfrey contains allantoin, a cell proliferator, and topical application may heal so fast as to trap infectious microbes. It is recommended that Wound Aid for Animals, a potent antimicrobial, be used with powdered comfrey herb on open wounds to disinfect.

Internally comfrey should be used with caution due to its alleged toxicity. Use one cc per 50 pounds weight twice daily, simultaneously with 400 mg. ground seed of milk thistle.

Comfrey is contraindicated during pregnancy, lactation or with a pre-existing liver disorder.

The argument that comfrey is not safe for internal use is unconvincing since it is based on dosing rodents with high levels of purified pyrrolizidine alkaloids. The root is about two orders of magnitude higher in concentration of pyrrolizidine alkaloids than is the herb. Therefore hepatotoxicity likelihood resultant from herb extract is minimal. Unlikely or not it is advisable to simultaneously use milk thistle with comfrey extract to provide for hepato-protection. It is my opinion that comfrey has received an undeserved bad rap. Clinical trials are in order to separate fact from fiction and hysteria.

Chasteberry - powder, capsules

Chasteberry is effective in treating endocrine abnormalities such as Cushings disease and dermatosis. It is effective treating Cushings disease.

Chasteberry is estrogen active and has a pronounced effect on hormone balance. It contains hormone like substances that bind receptors and is therefore used in progesterone imbalance situations.

Caution should be exercised if the patient is pregnant.

Dosage for a horse is one teaspoon s.i.d. In general 5 to 50 mg. per 100 pounds weight daily are appropriate.

Chasteberry is a dopamine agent. Important adverse events have not been reported.

Licorice for Animals - extract - Licorice is regarded as nature's cortisone. It has many of the same attributes as cortisone and presents few of the adverse side effects. Nonetheless, licorice is used as an anti-inflammatory, expectorant and is a counter irritant for G.I. and pulmonary tissues. Recent research has demonstrated detoxification properties similar to silymarin due to its content of glycyrrhizin.

Licorice is antiallergenic and is effective topically on many skin infections.

Dosage recommended is one cc per 50 pounds weight t.i.d. daily for carnivores. Use eight cc twice daily for large herbivores. It is advisable to use in conjunction with a diuretic.

Licorice is contraindicated during pregnancy.

Parasite Dust for Animals - powder - The compound is formulated from *Azadirachta indica*, *Achillea millefolium* and diatom flour.

It acts in four ways to rid animals, garden and buildings of flies, fleas, lice, ticks, mites, spiders, beetles, ants and more. The neem tree contains a chemical, azadirachtin. It is an active insecticide, a repellent and a potent-antifeedant and ecdysis inhibitory compound.

Neem herb has found broad use as a wound healing agent and has reported antimicrobial properties. Yarrow is a repellent to many parasites and diatom flour desiccates many insects. See page 1 for a more detailed discussion of the medicinal properties of yarrow.

The combination of these processed herbs is a very effective external parasite dust which also presents disinfectant and healing properties to lesions and other irritations secondary to infestation.

The dust rids mammals of parasites and a teaspoon or two on your window sash or sill eliminates flies, beetles and other bugs in home or office very effectively. It is safe for use in your garden as well.

The manner of application which has yielded success is to sprinkle the dust from head to tail along the spine and brush against the hair to bring the dust into contact with the skin. This should be done under dry conditions. One to two ounces is enough to dust a large herbivore (e.g. a horse). The dust should cover the saddle to midlateral.

See the product flyer on the homepage of our website for expanded information on Parasite Dust.

Even engorged ticks have disappeared by the next day post dusting. The ingredients singly are nonmutagenic and nontoxic to mammals, fish and birds. It is expected that in compound they also are harmless in the form and concentration in this product.

Skullcap for Animals - extract - *Scutellaria laterifolia* has not been recognized, by the scientific community, as having therapeutic value. However, this information predates much more recent, prolific work done on Baical skullcap (i.e. *Scutellaria baicalensis*).



These plants have similar chemistries and efficacy. It is clear earlier research work was narrow and lacked depth.

Skullcap (i.e. scut) is an effective central nervous system depressant. It has found utility as an antispasmodic, especially epileptic seizures. Scut is an anxiety reducing agent and a sleep aid. It is used generally for hyperactivity in small mammals.

Dosages are three to eight cc twice daily per 100 pounds of weight. Use 0.5 to 1.5 oz. for large herbivores.

There is an estrogen activity reported in humans, therefore, scut is contraindicated in pregnancy.

Tea Tree for Animals - oil - *Melaleuca alternifolia*, tea tree oil, is a strong antimicrobial. It is effective for fungal and bacterial infections. It consists of terpin-4-ol, half or more.

I have used tea tree oil on the frog of my horses feet when abscess are present very effectively. It is indicated for hoof rot.

A very thin coating of tea tree oil topically on the desired area twice daily has been sufficient by my experience. It is useful on many infections.

Allergic contact eczema sometimes occurs.

Tea tree oil should not be ingested.

Wormwood for animals - extract and capsule - *Artemisia absinthium* is a well known anthelmintic, especially effective on roundworms. Hepatic and renal protection is

indicated for extended periods of time on high dosage deworming. Wormwood is an effective rinse for many skin infections.

The content of lactones and particularly alpha- and beta-thujone are the main anthelmintic chemicals. Hepato-protection with milk thistle is recommended simultaneous with administration of wormwood.

Dosage is one half cc twice daily for the extract or two 250 mg. -0- capsules twice daily per 50 pounds weight. Use four grams for large herbivores.

Wormwood is contraindicated with preexisting hepatic, renal, or central nervous system disorders.

Neoplasene Compounds -Buck Mountain Neoplasene is formulated from several poppy and lilly extracts, halogens and water. It is administered topically, orally, by injection and infusion.

Neoplasene is used topically on sarcoids, carcinomas and other neoplastic or viral tissue. It works well on proud flesh. It should be taken post treatment orally.

It should be applied directly on tumorous growths. The lectins in the medicine react with the particular polysaccharides in the neoplastic cell membrane of microbes, neoplasm and proud flesh, but not the healthy cell, to penetrate the cell and cause apoptosis.

It is injected in a methyl sulfoxide compound to good advantage. Contact Buck Mountain for more information.

Prolonged contact with healthy tissue is to be avoided with the topical form of the drug.

This product is for veterinarian's use only.

A Tips and Protocols document is available online describing detailed topical, injection and oral protocols.

Astragalus for Animals - extract -

Astragalus root is an immune system stimulant. It has found wide use post chemotherapy to counter immune suppression.

Dosage is one cc per 50 pounds weight three times daily. Use eight cc three times daily for large herbivores.

Astragalus is regarded as safe.

Lemon Balm for Animals - extract -

Lemon Balm is a mild sedative and analgesic. It has antiviral activity: herpes simplex virus (HSV), HIV-1 and a variety of other viruses.

Dosage is one cc per 50 lbs weight three times daily. Use eight cc three times daily for large herbivores.

Lemon Balm extract is a pleasant smelling and tasty extract. It is a fine flavor addition to tea or fish.

There are no contraindications or interactions documented.

Uva Ursi for Animals - extract -

Uva Ursi is a diuretic, antimicrobial and has found wide efficacy in controlling involuntary bladder voiding.

It is effective as a kidney flush, for cystitis and for urinary infections.

Dosage is one cc per 50 lb. weight up to three times daily. Use eight cc three times daily for large herbivores.

Large dosages may result in nausea, vomiting and collapse.

Avoid use during pregnancy and lactation.

Lepsilyte - liquid - Lepsilyte is formulated from our extracts of skullcap and valerian. It significantly reduces the frequency and severity of seizures.

Dosage recommendation is one ml. per forty pounds weight s.i.d. to q.i.d. depending upon the severity of the affliction.

Estrogen activity in humans has been reported for one of the ingredients (i.e. skullcap). Therefore caution is advised for use during pregnancy.

Bugleweed - extract - Hyperthyroid support. Bugleweed binds thyrotropin and Graves thyroid stimulating immunoglobulin (TSI) and precludes receptor activation. It is for mild hyperthyroid conditions.

Recommended dosage for cats is three to eight drops b.i.d for mild hyperthyroid conditions.

Adverse effect may occur with overdose or sudden cessation of treatment.

Thyrolite - liquid Thyrolite contains bugleweed extract, lemon balm extract and levo-carnitine. It is administered for hyperthyroid conditions. Both bugleweed and lemon balm extract bind thyrotropin and TSI and preclude receptor activation. Levo-carnitine is a thyroid inhibitor.

Recommended dosage is three to ten drops per ten pounds body weight s.i.d. or b.i.d. as necessary.

Avoid overdose and sudden cessation of treatment.

BUCK MOUNTAIN ANIMAL HEALTH Product List

Note – Many of our products are convenient to stock in quantities of dozens. All dozen quantities are priced at 'buy 10 of any product at the unit price and we will ship 12 units for the price of 10'.

This is a 16.67% discount plus handling and shipping charges are reduced an average of 50%!

Item #	Description	Item
ARN8	Arnica Liniment for Animals	8 oz. Liniment
ASPC01	Aspidium for Animals – 500 mg. capsules	55 “00” Capsules
ASPLB	Aspidium for Animals	1 Pound Powder
AST01	Astragalus for Animals	1 oz. Extract
AST8	Astragalus for Animals	8 oz. Extract
BW01	Black Walnut for Animals	1 oz. Extract
BW8	Black Walnut for Animals	8 oz. Extract
BWC01	Black Walnut for Animals – 350 mg. capsules	55 “00” Capsules
BUG01	Hyperthyroid Support	1 oz. Extract
BUG8	Hyperthyroid Support	8 oz. Extract
BUR01	Burdock for Animals	1 oz. Extract
BUR8	Burdock for Animals	8 oz. Extract
CH01	Chamomile for Animals	1 oz. Extract
CH8	Chamomile for Animals	8 oz. Extract
CB01	Chasteberry for Animals	1 oz. Extract
CB8	Chasteberry for Animals	8 oz. Extract
CBC01	Chasteberry for Animals	100 “1” Capsules
CBLB	Chasteberry for Animals	1 Pound Powder
COM01	Comfrey for Animals	1 oz. Extract
COM 8	Comfrey for Animals	8 oz. Extract
ECH01	Echinacea angustifolia	1 oz. Extract
ECH8	Echinacea angustifolia	8 oz. Extract
GS01	Glucosamine Sulfate – 1000 mg. capsules	55 “00” Capsules
GSLB	Glucosamine Sulfate	1 Pound Powder
GSBLK	Glucosamine Sulfate	500 Capsules
GOL01	Goldenseal for Animals	1 oz. Extract
GOL8	Goldenseal for Animals	8 oz. Extract
GR01	Grindelia for Animals	1 oz. Extract
Gr8	Grindelia for Animals	8 oz. Extract
HAW01	Hawthorn for the Heart	1 oz. Extract
HAW8	Hawthorn for the Heart	8 oz. Extract
HAWC01	Hawthorn for the Heart - 400 mg. capsules	75 “0” Capsules
HAWLB	Hawthorn for the Heart	1 Pound Dried Fruit
HAWBLK	Hawthorn for the Heart	1000 Capsules
LEM01	Lemon Balm for Animals	1 oz. Extract
LEM8	Lemon Balm for Animals	8 oz. Extract
LEP04	Lepsilyte	4 oz. Extract

BUCK MOUNTAIN ANIMAL HEALTH Product List

Item #	Description	Item
LEP8	Lepsilyte	8 oz. Extract
LIC01	Licorice for Animals	1 oz. Extract
LIC8	Licorice for Animals	8 oz. Extract
MT01	Milk Thistle for Animals – 400 mg. capsules	75 “0” Capsules
MTLB	Milk Thistle for Animals	1 Pound Seed
MTBLKC	Milk Thistle for Animals	1000 Capsules
NEO100	Neoplasene 100	100 cc Salve
NEO250	Neoplasene 250	250 cc Salve
NEO300	Neoplasene Oral 300	230 cc/300 mg/cc
NEO75	Neoplasene Oral 75	230 cc/75 mg/cc
NEXMS	NeoplaseneX with methyl sulfoxide	50 cc/250 mg/ml
NEXSS	NeoplaseneX with saline solution	50 cc/450 mg/ml
PD03	Parasite Dust for Animals	3 oz. Powder
PD08	Parasite Dust for Animals	8 oz. Powder
PDBLK	Parasite Dust for Animals	10# Bulk
PUL01	Pulsatilla for Animals	1 oz. Extract
PUL8	Pulsatilla for Animals	8 oz. Extract
SK01	Skullcap for Animals	1 oz. Extract
SK8	Skullcap for Animals	8 oz. Extract
TT01	Tea tree for Animals	1 oz. Oil
TT8	Tea tree Oil	8 oz. Essential Oil
THY01	Thyrolite	1 oz. liquid
THY8	Thyrolite	8 oz. liquid
UVA01	Uva Ursi for Animals	1 oz. Extract
UVA8	Uva Ursi for Animals	8 oz. Extract
VAL01	Valerian for Animals	1 oz. Extract
VAL8	Valerian for Animals	8 oz. Extract
WOR01	Wormwood for Animals	1 oz. Extract
WOR8	Wormwood for Animals	8 oz. Extract
WORC01	Wormwood for Animals – 250 mg. capsules	75 “0” Capsules
WORLB	Wormwood for Animals	1 Pound Powder
YAR01	Wound Aid for Animals	1 oz. Powder
YARLB	Wound Aid for Animals	1 Pound Powder
WB401	Wound Balm for Animals	4 oz. Salve
WB801	Wound Balm for Animals	8 oz. Salve
WW02	Wound Wash for Animals	2 oz. Spray
WW08	Wound Wash for Animals	8 oz. Liquid
	ALL EXTRACTS	1 Gallon

PARASITE DUST FOR ANIMALS

Nearly all insects are immediately disabled and then die after contact with Buck Mountain Parasite Dust (e.g. fleas, ticks, lice, flies, etc.). Fleas and their eggs, larvae and pupae, die quickly when they come in contact with this product. However, there have been instances where pet owners have expressed difficulty in controlling fleas.

If your pet has fleas you can expect that the pet's surroundings are also infested with fleas, flea eggs, larvae and pupae. Therefore a steady supply of fleas will reinfest your pet about as fast as you eliminate the pests on your dog or cat.

Fleas and their eggs, larvae and pupae are in the carpet, upholstered furniture, pet bedding, cracks and crevices of baseboards, the lawn and near everywhere. The best procedure to eliminate the fleas on your pets and reduce the flea supply is:

Procedure for Fleas

1. Apply the dust by running one hand against the fur and holding the parasite dust container in the other hand sprinkle lightly a little dust on the skin and hair. Then rub it in briskly and lightly. A little parasite dust goes a long way. One teaspoon full is plenty for a dog and way more than is needed for a cat. If you can see the dust when it's brushed in, you are using too much.
2. Dust from the tail to the head. Dust around the neck and around the rear of the pet as fleas will head either direction for moisture and will come in contact with the dust, become disabled and die. Dust all pets in your household.
3. Vacuum or launder the pet's bedding and sprinkle lightly with Parasite Dust. Rub the dust in with your hand or brush. If you can see the dust when you are done you are using more than is necessary.
4. Vacuum any rug, carpet or upholstered furniture frequented by your pet. Sprinkle it with and brush in the Parasite Dust.
5. You should not need to repeat this procedure for a month or more. It is not necessary to repeat treatment unless you see further evidence of live fleas.

Other parasites such as lice or ticks are much easier to treat because they don't present a steady supply of replacement critters.

General Procedure

For animals infested with fleas, ticks, lice (arthropods) sprinkle a small amount from tail to head along the spine. Run the hand from rear to front, against the way the hair lies sprinkling a small amount on the skin as it becomes visible.

On horses do the same thing plus $\frac{1}{4}$ lateral on each side. Three tablespoons, one for each front to rear application is about right. If dust can be seen brush with the hair to work it down to the skin. If it can't be worked down to the skin too much dust has been used.

For flies the underside and legs are also treated by use of the cupped hand as an applicator. Horn flies (*Siphona irritans*) are continually drawn to the treated horse and a whole hatch will be wiped out in about three days. Even engorged ticks will fall away after 24 to 36 hours. The dust will decrease by 1,000 times the number of flies in the stable by sprinkling it here and there around windows, stalls, etc. For lice also spread the dust on all infested areas with your hand.

In work and living buildings a teaspoon full laid in a line the height, and width of a pencil on a sash or two and along a baseboard will eliminate flies, ants and beetles of all kinds. The only bug you will see post treatment will be dead, dying or it just came in. Azadirachtin degenerates in light. Thus in windows and on hairless skin it has to be reapplied every five to seven days or so. In the vegetable or rose garden, aphides, leaf hoppers, etc. are history as well.

It lasts a very long time unless it is washed away. In dryer climates treatment once each year for horses when they are louse and tick infested is enough for the season.

There are no known side effects but avoid a cloud that would be inhaled and keep it out of the eyes, nose and mouth. There is no reason to be overly concerned it just seems like good sense.

Active ingredients

Neem, *Azadirachta indica*, is very healing and is a vermifuge and pesticide. It is claimed also to be an insect repellent. We have not found it to be an effective repellent.

Chemistry

Neem contains a fixed oil (10%) of glycerides. The oil is bitter. It smells like garlic and is yellow. It also had about 2% principles, nimbidin, nimbin, and a lot of related triterpenes.

Azadirachtin is the most active constituent insecticide, however related chemicals also have insecticide and claimed repellent properties. Other insecticidal constituents include deacetyl-azadirachtinol and salannin.

Pharmacology

Neem is used as a contraceptive, antidiabetic, anti-ulcer drug. A primary importance in veterinary medicine is as an insecticide. Azadirachtin is, the most potent insect antifeedant and ecdysis-inhibitory botanical compound known. Azadirachtin is also a potent inhibitor of insect cell replication. It works.

Azadirachtin has not, as yet, been synthesized. Therefore only natural products are on the market. It is effective in concentrations of only one part in 10 million, so it is claimed in the literature. Buck Mountain parasiticide is about 7,500 parts in 10 million azadirachtin. It is nonmutagenic and nontoxic to warm blooded animals, fish and birds.

Clinic use

The oil of neem is tough to work with because it is messy. Powdered neem herb is very effective if insects contact it. Therefore, a very fine powder is a building block of our ecto-parasiticide.

Over the years treating wounds on horses, it was observed that yarrow when applied as a vulnerary to fly covered wounds, resulted in the flies vacating the horse. Buck Mountain was unsuccessful in making a yarrow extract that repelled insects – only the powdered whole herb acts as a repellent and is an active ingredient in our product.

Lice, mites, ticks, etc. infestations result in dermatitis of one degree or another. Yarrow is very healing and is a repellent, albeit a mild one, to some insects. Diatom flour cuts the exoskeleton of many bugs – e.g. ants, beetles, etc. and they dehydrate and is an active principle in our product.

A combination of neem, yarrow and diatom flour makes a fine parasiticide for use on animals in the stable, home, office, clinic, and in the garden.

As always, we stand ready to discuss recommended procedure with our veterinarian and pet store clients.



Buck Mountain Animal Health

A division of

Buck Mountain Botanicals, Inc.

406-232-1185

www.buckmountainbotanicals.net

HC 30 • Miles City, MT 59301

FAX 406-232-4491