

WINDY ONE™



**Oral Cough Therapy
Wind Formula
with
Potassium Iodide**

Vapco's Windy One™ is an aromatic cough and wind solution with both menthol and potassium iodide, especially formulated to help moisten dry, irritated breathing passages and aid in the relief of minor wind problems. It temporarily relieves coughs due to minor throat and bronchial irritation occurring with a viral cold or inhaled airborne contaminants from dry, dusty environments and confined performance arenas. Windy One™ can be administered up to 1 hour before performance.

Windy One™ may also be used to help loosen equine congestion to rid the bronchial passageway of stubborn mucus material and make coughs more productive. Its unique formula helps soothe throat soreness.

VAPCO ™
THE LEADER IN HORSE CARE PRODUCTS

Call Toll Free **(800) 523-5614**

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Menthol

Menthol is widely used as an ingredient in cough and cold medicines, and is found in the leaves of the peppermint plant. As a differential anesthetic, menthol acts as a salve; reducing the irritation, tickling, and itching that often plagues a sensitive horse. As an added bonus, the natural aromatic scent relaxes the muscles and thus can reduce the constriction and irritation in the walls of the air passages in the lungs. As the muscles relax, breathing eases, and the airways become unobstructed.

Potassium

Most horse owners recognize the traditional value of potassium. Muscle weakness, fatigue, mental confusion, irritability, heart disturbance, and muscle contraction are all symptoms of potassium deficiency, and many horse owners compensate for the loss of potassium through sweating by adding this electrolyte to their animal's feed by way of a daily dietary supplement. However, the use of potassium can go beyond this and can be applied to directly tackle secondary wind problems.

Every living thing is mostly water, and a point of fact is that a horse is about 70% water. Water is needed to dissolve nutrients and carry them to the cells. Within the cell, these nutrients are burned in the watery solution of the intracellular fluid. Organisms then need water to carry the resulting waste away. Maintaining the hydro-balance within the cell is essential. Most cells within the horse are adequately protected from "drying out," but the moist membranes of the throat and bronchial passages, exposed to the constant movement of air caused by inhalation and exhalation are susceptible to losing the hydro-balance. In simple terms, they can dry out and lose their integrity. What is needed then, is a method to prevent the loss of water or restore moisture to the cells, the equivalent, if you will, to the moisturizing cream that is used upon dry skin in the winter.

It is here that the nature of potassium is important. Potassium plays a major role in maintaining the water solute balance in cells. 97% of a horse's potassium is found in the intracellular fluid, where it plays a key part in the process of osmosis. Osmosis accounts for how fluid will move from an area of high concentration to an area of low concentration through the semi-permeable membrane of the cell wall. This is the "drying out" so to speak. To combat this natural process, water soluble potassium iodide in a liquid form can be

used to coat the horse's throat. This buffer allows the cells in the lining of the throat to maintain their essential hydro-balance. Potassium iodide has the supplemental advantage of being able to promote the discharge of mucus, an extra-cellular fluid, from the animal's nose and throat.

Windy One

Minor respiratory problems in horses are common. Whether the horse's bronchial tubes are constricted due to the irritation of airborne contaminants from a dry, dusty environment; or whether there is the congestion of mucus build-up; or whether throat tenderness causes breathing to be painful; all horse owners have to contend with those times when their animal is unable to breath freely. As a horse's quality of life depends on effortless respiration, the goal is clearly to ease any labored breathing. When this occurs, maximum oxygen can reach the animal's lungs, and the horse can receive comfort and achieve performance potential. As preventative measures against minor respiratory complaints are difficult to implement given the varied and unexpected nature of such ailments, the horse owner must seek immediate and temporary relief when the complaints strike.



Administration

For minor wind problems, use an oral dose syringe to administer 1 ounce of **Windy One**[™] approximately 1 hour prior to exercise or performance. For equine congestion, use an oral dose syringe to administer 2 ounces of **Windy One**[™] twice daily as necessary. For simple coughs, use an oral dose syringe to administer 1 ounce of **Windy One**[™] twice daily as necessary. If desired, **Windy One**[™] may be used without oral syringe. Place well back on the tongue and administer the above-recommended dosages.

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