

## JointWise<sup>™</sup> provides supportive therapy after intra-articular (IA) injections and arthroscopic surgery.

If you are treating performance horses, then you are most likely injecting joints or have patients that have undergone arthroscopic surgery. An oral joint supplement will play a role in supportive therapy after both procedures. It can be used as a preventative against further damage, as well as a means of reducing inflammation.

Choosing a well-formulated joint supplement is essential. The appropriate ingredients in the correct amounts must be provided for best results.

JointWise is a complete joint supplement that contains ingredients valued for their supportive qualities.

### Essential and unique ingredients contained in JointWise:

**Hyaluronic acid** is an integral component of synovial fluid and articular cartilage, and is responsible for lubrication of the joint surfaces. In a study conducted by Bergin and coworkers (2006), oral HA was effective in reducing synovial effusion (an abnormal collection of fluid) following arthroscopic surgery for removal of osteochondritis dissecans (OCD) lesions in joints. JointWise provides 100 mg of HA per 20 g scoop.

**Glucosamine and chondroitin sulfate** are key nutrients necessary for maintenance of normal joint function. Studies using equine cartilage have shown that these ingredients complement each other in inhibiting the production of inflammatory cells. Interestingly, when these ingredients were used independently of each other, they did not show similar benefits (Orth et al., 2002; Schlueter and Orth, 2004; DeChant et al., 2005).

Glucosamine and chondroitin sulfate have been evaluated in several field studies. In a double-blind placebo-controlled study (Hanson et al., 2001), 14 horses with progressive forelimb lameness showed significant improvement (evaluated by lameness specialists using standardized lameness scores) when administered a treatment of glucosamine and chondroitin for a 28-day treatment period, as compared with the control group. In a more recent study (Rodgers, 2006), administration of glucosamine and chondroitin significantly decreased

the necessity and frequency of intra-articular therapeutic injections of the hock joints in working show hunters and jumpers. JointWise contains 5,000 mg of glucosamine (HCL and sulfate) and 1,200 mg of chondroitin sulfate per 20 g scoop.

**MSM** (methylsulfonylmethane) is a natural sulfur compound with anti-inflammatory properties. MSM supports the reduction of stiffness and soreness associated with inflammation. JointWise provides 1,000 mg of MSM per 20 g scoop.

**Manganese sulfate** provides manganese, which is an important cofactor in the formation of the cartilage matrix and synthesis of connective tissue. It contributes to the maintenance of resilient articular surfaces and supports in the repair of damaged tissue. JointWise has 100 mg of manganese sulfate per 20 g scoop.

**Fermentation metabolites** (FM) are an ingredient unique to JointWise. FM have been shown in controlled research trials to support a positive immune response when the body is faced with a challenge. Research studies have demonstrated the ability of fermentation metabolites to temper excessive immune responses, maintaining a more balanced system. Further, several factors and compounds that cause the symptoms of arthritis were diminished in animals consuming fermentation metabolites. JointWise provides 5,000 mg of FM per 20 g scoop.

For more information on JointWise, please email [WiserConcepts@KPPusa.com](mailto:WiserConcepts@KPPusa.com) or call **800-772-1988**.



