



Custom Equine Diets and Supplements
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Back2Basics GCJoint

GC Joint is aimed to be an entry level nutritional joint supplement to help prevent joint degradation in horses in moderate to hard work and to assist horses with stiffness and pain associated with age, joint degradation or osteoarthritis.

Chondroitin sulphate and glucosamine have been shown to help relieve pain and lameness related to degenerative joint disease in horses and to help prevent joint degradation in healthy joints in order to prolong the competitive careers of horses. To facilitate absorption low molecular weight chondroitin sulphate is used in GCJoint to ensure adequate oral absorption.

The following research papers show positive effects on horses when glucosamine and chondroitin are used.

- Hanson, R. et.al. (1997) showed improvement in lameness, flexion tests and stride length in horses with degenerative joint disease when fed a supplement containing glucosamine and chondroitin
- Neil, K., Caron, J., Orth, M. (2005) reviewed the role of glucosamine and chondroitin sulphate as a treatment for and preventative of osteoarthritis in animals. They found the products impede the progression of joint degeneration and inhibit enzymes which degrade joint cartilage. Long term studies show improvement in pain and physical function and decreased joint space narrowing which indicate a preventative and therapeutic effect on joints. They conclude “*Glucosamine and chondroitin sulfate-containing nutraceuticals may become a mainstay of preventative maintenance programs that provide support for aging animals and may aid in extending competitive careers of athletes, particularly horses*”
- Eddington et.al. (2001) showed chondroitin of 8kDa and 16.9 kDa was effectively absorbed when fed orally to horses.
- Miller, G. (2014) “ *Glucosamine and chondroitin are excellent first-level joint nutraceuticals, and they’re where everyone should start their horses, whether for therapeutic or preventative reasons* ”

Feeding recommendations in cases where horses are exhibiting joint pain use a loading dose for 2 – 4 weeks of 4 - 6g per 100 kg body weight per day. Once stiffness is reduced start to reduce the daily dose to a maintenance dose of 2 g per 100 kg body weight or 10g per day for a 500kg horse.

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Disclaimer – this supplement is formulated in accordance to NRC 2007 and other scientifically based guidelines for feeding horses. Muscle Up is used at owners risk with no recourse to claim for any losses deemed to be caused by the product or failure thereof.