Advanced Feeds are pleased to announce that we have been able to source a Liquid Vitamin E which can be mixed with water to improve ease of administration. It can also be mixed with water based worm drenches for sheep so both treatments can be given in the one dose (mix at time of drenching and do not store).

Advanced Liquid E Concentrate contains a stable form of vitamin E that is very effectively utilised by sheep and is recommended where animals have limited access to green feed, the main natural source. Body stores are sufficient for approximately 6 weeks when no green feed is available and deficient animals will show a marked reduction in weight gain and poor feed conversion after this time. Severe deficiency can result in death from heart failure particularly if the animals are stressed.

**Recommended Dosage Regime:**
For adult sheep the dose is 5mL (3000 mg Vitamin E) every 6 weeks. Lambs with moderate growth the dose is 3.3mL (approx 2000 mg Vitamin E) every 6 weeks.

Hand fed, fast growing animals have a higher requirement and it is recommended that feedlot lambs are dosed every 4 weeks with 3.3mL (approx 2000 mg Vitamin E) while in the feedlot.

**Advanced Liquid E Concentrate is available in three sizes:**

- **1L** – Sufficient for 200 grazing sheep or 303 lambs.
- **5L** – Sufficient for 1000 grazing sheep or 1515 lambs.
- **20L** – Sufficient for 4000 grazing sheep or 6060 lambs.

Available from leading rural stockists
Supplied by:

**Advanced Feeds Pty Ltd**
Ph - (08) 9250 5344
Fax – (08) 9250 5355
Advanced Feeds are proud to announce a new formula advanced liquid E concentrate for the 2009 summer. One that has been designed to help combine with the summer drenching program to lessen the handling and stress for sheep and farmer. Unlike last seasons concentrate we have been able to source a water soluble formula that will once again be able to mix in with other water based worm drenches.

Vitamin E is a fat soluble vitamin found in highest concentrations in green fodder. Levels are low and variable in preserved forages (hays), dry standing feed and grains. Body stores are sufficient for approximately 2 months when no green feed is available, but beyond this time supplementation is required to maintain animal performance and in particular to satisfy the extra needs of lambs being finished for market.

Vitamin E is a biological antioxidant that has an important role in reproduction, immune and muscle function. Sheep have a high requirement for vitamin E, particularly weaners at risk of developing deficiencies due to rapid growth rate. A deficiency of vitamin E may cause decline in immune function and reproductive performance and diseases such as stiff lamb disease. In extreme deficiencies death may occur.

Advanced Liquid E Concentrate contains a stable source of Vitamin E in the acetate form. Oral administration, using a standard drench gun, is an effective and accurate method to administer required levels of vitamin E to sheep. May be mixed with water based worm drenches (don’t store use immediately).

Available from leading rural stockists

Advanced Feeds Pty Ltd
Ph – (08) 9250 5344
Fax – (08) 9250 5355
Manufactured in Western Australia
The benefit of including vitamin E to regular drench routines

Australia is a particularly dry continent, receiving little rain during warmer summer months. Throughout summer animals graze predominantly on dry pasture and grain stubble, containing little nutritional value and deficient in essential vitamins such as vitamin E. Vitamin E is plentiful in green pasture, however in summer pastures, hay and grain vitamin E is lacking.

The fundamental function of vitamin E is as a natural antioxidant, preventing damage of animal cells by free radicals. As an antioxidant, vitamin E is potentially involved in disease resistance and maintenance of the immune system. In addition, vitamin E has an important role in reproduction and muscle function.

Current research demonstrates the importance of vitamin E for health of animals, particularly sheep. Body stores are sufficient for approximately 2 months when no green feed is available, but beyond this time supplementation is required to maintain animal performance and in particular to satisfy the extra needs of lambs being finished for market. Sheep have a high requirement for vitamin E, particularly weaners at risk of developing deficiencies due to rapid growth rate. Ewes in late gestation should also receive some form of vitamin E supplementation to benefit lamb production.

A deficiency of vitamin E may cause slow growth, decline in immune function and reproductive performance and diseases such as white muscle & stiff lamb disease. Vitamin E deficiency is an important cause of ill thrift in lambs over summer and autumn period. In extreme deficiencies death may occur. To treat this illness and vitamin E deficiency, vitamin E should be supplemented in high dosages throughout the dry summer months.

Varying methods of vitamin E supplementation are available. A loose vitamin mix containing vitamin E will supplement, however, levels may need to be reviewed for adequacy throughout summer. Spraying water miscible vitamin E, commencing 4 weeks after pastures hay off and at regular intervals over dry periods. Oral administration, using a standard drench gun, is an effective and accurate method to administer required levels of vitamin E to sheep.

Advanced Liquid E Concentrate contains a stable source of Vitamin E in the acetate form (750 mg/g d,l alpha Tocopherol Acetate) and can be mixed with water based worm drenches. Vitamin E can be simply included into periodic drenching routine. At less than 20 c per head, administering the recommended dosage every 6 to 8 weeks is an economical, efficient method of ensuring health and condition of your lambs. Vitamin E supplementation is highly recommended by a number of sheep farmers within WA. A trial by a farmer showed a significant increase in marking percentages after drenching with Advanced Liquid E one month prior to lambing.

Try Advanced Liquid E Concentrate today, available from your leading rural stockist. For more information contact Advanced Feeds, Midvale on 9250 5344.