

## OPTIMIN PROTECTED PRE-CALVER

Our **OPTIMIN PRE-CALVER** minerals are designed to address the period which is most challenging to the cow. There are two options available **OPTIMIN PRE-CALVER** and **OPTIMIN PRE-CALVER EXTRA E**. They contain high levels of vitamins and trace minerals to promote good health in the cow and developing calf. The high levels of Vitamin E boost immunity and reduce the incidence of retained cleanings. **OPTIMIN PRE-CALVER EXTRA E** is low in calcium and high in magnesium to help to reduce the incidence of milk fever at calving time. The inclusion of ammonium chloride as an ionic salt protects against milk fever.

|             | Standard Pre-calver** | Pre-calver Extra E* |             | Standard Pre-calver** | Pre-calver Extra E* |
|-------------|-----------------------|---------------------|-------------|-----------------------|---------------------|
| VITAMIN A   | 400,000 iu/kg         | 450,000 iu/kg       | COPPER      | *3,000 mg/kg          | *3,000 mg/kg        |
| VITAMIN D3  | 100,000 iu/kg         | 120,000 iu/kg       | ZINC        | 5,000 mg/kg           | *5,000 mg/kg        |
| VITAMIN E   | 3,000 iu/kg           | 6,000 iu/kg         | IODINE      | 700 mg/kg             | 700 mg/kg           |
| VITAMIN B12 | 2,000 mcg/kg          | 4,000 mcg/kg        | SELENIUM    | 45 mg/kg              | *45 mg/kg           |
| VITAMIN B1  | 200 mg/kg             | 400 mg/kg           | CALCIUM     | 0%                    | 0%                  |
| IRON        | 2,000 mg/kg           | 3,000 mg/kg         | PHOSPHOROUS | 3%                    | 5%                  |
| COBALT      | 100 mg/kg             | 100 mg/kg           | MAGNESIUM   | 18%                   | 18%                 |
| MANGANESE   | 2,000 mg/kg           | 4,000 mg/kg         | SALT        | 36.36%%               | 25.5%               |

\*denotes the inclusion of chelated/protected minerals

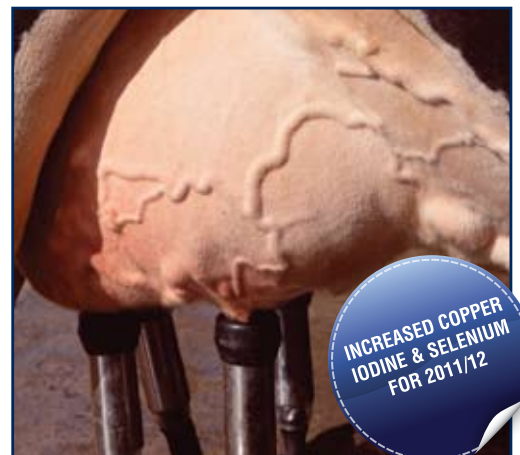
\*\* denotes the inclusion of anionic salts

**FEEDING RATE:** Dry Cows      100-125g/hd/day      3.5-4.5 oz/hd/day      **Bag size:** 25kgs

## OPTIMIN HI PERFORMANCE DAIRY

**OPTIMIN HI PERFORMANCE DAIRY** is a post calving mineral supplement, formulated for cows on grass or grass silage based diets. The balance of macro minerals, trace minerals and vitamins are required to meet the demands of the high performance dairy cow in terms of productivity and fertility. Mineral supplementation with **OPTIMIN HI PERFORMANCE DAIRY** is required to enhance performance and balance forages.

|             |               |             |             |
|-------------|---------------|-------------|-------------|
| VITAMIN A   | 400,000 iu/kg | COPPER      | 3,000 mg/kg |
| VITAMIN D3  | 100,000 iu/kg | ZINC        | 4,000 mg/kg |
| VITAMIN E   | 2,000 iu/kg   | IODINE      | 600 mg/kg   |
| VITAMIN B12 | 1,400 mcg/kg  | SELENIUM    | 40 mg/kg    |
| VITAMIN B1  | -             | CALCIUM     | 16.77%      |
| IRON        | -             | PHOSPHOROUS | 5%          |
| COBALT      | 40 mg/kg      | MAGNESIUM   | 5%          |
| MANGANESE   | 1,000 mg/kg   | SALT        | 35%         |



**FEEDING RATE:** Dairy cows      100-125g/hd/day      3.5-4.5oz/hd/day      **Bag size:** 25kgs