



# VMD

Mineral-vitamin feeds of VMD line are developed for dairy cattle nutrition. There are 3 levels of vitamins and minerals content represented by 3 products – VMD, VMD Standard and VMD Plus. Therefore, VMD supplements can cover a wide range of feed doses, and at the same time, variable vitamin and mineral contents enable their tailor made application following production parameters of the particular herd. VMD EKO line is certified for applications in the BIO farms.

VMD 1 – best in feed doses for dry cows, pregnant heifers and in feed doses low in P with well balanced Mg and Na content

VMD 2 – best in feed doses with significant deficit of Ca, with surplus of P and Mg

VMD 3 – best in feed doses with well balanced Ca and Mg and deficit of Na

VMD 4 – best in feed doses with well balanced Ca and P and deficit of Mg

VMD 5 – best in feed doses with a slight surplus of Ca and well balanced Na and Mg

VMD 6 – best in feed doses with a slight surplus of Ca, deficit of Na and surplus of Mg

VMD 7 – best in feed doses with significant deficit of Ca and surplus of P and Mg

VMD 8 – best in feed doses with a slight surplus of Ca and well balanced P, Na and Mg

VMD 9 – best in feed doses with deficit of Ca and well balanced P, Na and Mg

**PACKAGE:**

Multilayer bags 25kg, big bags 700-1000 kg  
Store on wooden pallets in dry place

**DOSAGE:**

150 - 300 g per head per day

## Mineral-vitamin nutrition of dairy cattle



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## COMPOSITION:

| VMD       | NUTRIENT   | unit | VMD1    | VMD2    | VMD3    | VMD4    | VMD5    | VMD6    | VMD7    | VMD8    | VMD9    |
|-----------|------------|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|           | Ca         | %    | 2,5     | 23      | 10      | 10      | 6       | 5       | 2,5     | 8       | 15      |
|           | P          | %    | 7       | 1,5     | 5       | 5,5     | 5       | 5       | 5       | 7       | 6       |
|           | Na         | %    | 12      | 5       | 8,5     | 7       | 7       | 11      | 11      | 7       | 6       |
|           | Mg         | %    | 8       | 8       | 5       | 10      | 6       | 10      | 3       | 7       | 7       |
|           | Cu         | mg   | 1 250   | 1 000   | 1 000   | 1 000   | 1 000   | 1 000   | 1 000   | 1 000   | 1 000   |
|           | Mn         | mg   | 2 330   | 1 840   | 2 100   | 2 100   | 2 500   | 1 900   | 1 520   | 1 730   | 1 740   |
|           | Zn         | mg   | 2 450   | -       | 2 150   | 2 150   | 2 500   | 2 150   | 2 150   | 2 150   | 2 100   |
|           | Se         | mg   | 20      | 20      | 20      | 20      | 25      | 20      | 20      | 20      | 20      |
|           | J          | mg   | 135     | 100     | 105     | 100     | 105     | 100     | 100     | 100     | 100     |
|           | Co         | mg   | 50      | 40      | 40      | 40      | 40      | 40      | 40      | 40      | 40      |
|           | Vitamin A  | IU   | 225 000 | 500 000 | 225 000 | 225 000 | 400 000 | 225 000 | 100 000 | 100 000 | 500 000 |
|           | Vitamin D3 | IU   | 21 000  | 50 000  | 21 000  | 21 000  | 50 000  | 21 000  | 21 000  | 21 000  | 50 000  |
| Vitamin E | mg         | 250  | 500     | 250     | 250     | 400     | 250     | 240     | 250     | 500     |         |

| VMD Standard | NUTRIENT   | unit  | VMD1 Standard | VMD2 Standard | VMD3 Standard | VMD4 Standard | VMD5 Standard | VMD6 Standard | VMD7 Standard | VMD8 Standard | VMD9 Standard |
|--------------|------------|-------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | Ca         | %     | 1             | 23            | 13            | 10            | 6             | 5,5           | 22            | 8             | 15            |
|              | P          | %     | 6             | 1             | 5             | 3,9           | 3,5           | 3,5           | 3,5           | 5             | 4,2           |
|              | Na         | %     | 8             | 5             | 10            | 7             | 7             | 11            | 8             | 7             | 6             |
|              | Mg         | %     | 6             | 4             | 6             | 8             | 6             | 4             | 4             | 7             | 7             |
|              | Cu         | mg    | 1 200         | 1 200         | 1 200         | 1 200         | 1 200         | 1 200         | 1 200         | 1 200         | 1 200         |
|              | Mn         | mg    | 4 000         | 4 000         | 4 000         | 4 000         | 4 000         | 4 000         | 4 000         | 4 000         | 4 000         |
|              | Zn         | mg    | 5 000         | 5 000         | 5 000         | 5 000         | 5 000         | 5 000         | 5 000         | 5 000         | 5 000         |
|              | Se         | mg    | 30            | 30            | 30            | 30            | 30            | 30            | 30            | 30            | 30            |
|              | J          | mg    | 150           | 150           | 150           | 150           | 150           | 150           | 150           | 150           | 150           |
|              | Co         | mg    | 20            | 20            | 20            | 20            | 20            | 20            | 20            | 20            | 20            |
|              | Vitamin A  | IU    | 800 000       | 600 000       | 600 000       | 700 000       | 400 000       | 700 000       | 350 000       | 500 000       | 700 000       |
|              | Vitamin D3 | IU    | 150 000       | 100 000       | 100 000       | 130 000       | 70 000        | 130 000       | 50 000        | 100 000       | 130 000       |
| Vitamin E    | mg         | 1 500 | 1 000         | 1 200         | 1 500         | 1 000         | 1 500         | 800           | 1 200         | 1 500         |               |

| VMD Plus  | NUTRIENT   | unit  | VMD1 Plus | VMD2 Plus | VMD3 Plus | VMD4 Plus | VMD5 Plus | VMD6 Plus | VMD7 Plus | VMD8 Plus | VMD9 Plus |
|-----------|------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|           | Ca         | %     | 2         | 23        | 13        | 10        | 6         | 5,5       | 22        | 8         | 15        |
|           | P          | %     | 8,5       | 1,5       | 7         | 5,5       | 5         | 5         | 5         | 7         | 6         |
|           | Na         | %     | 8         | 5         | 10        | 7         | 7         | 11        | 8         | 7         | 6         |
|           | Mg         | %     | 6         | 4         | 6         | 8         | 6         | 4         | 4         | 7         | 7         |
|           | Cu         | mg    | 2 000     | 2 000     | 2 000     | 2 000     | 2 000     | 2 000     | 2 000     | 2 000     | 2 000     |
|           | Mn         | mg    | 6 000     | 6 000     | 6 000     | 6 000     | 6 000     | 6 000     | 6 000     | 6 000     | 6 000     |
|           | Zn         | mg    | 8 000     | 8 000     | 8 000     | 8 000     | 8 000     | 8 000     | 8 000     | 8 000     | 8 000     |
|           | Se         | mg    | 40        | 40        | 40        | 40        | 40        | 40        | 40        | 40        | 40        |
|           | J          | mg    | 200       | 200       | 200       | 200       | 200       | 200       | 200       | 200       | 200       |
|           | Co         | mg    | 40        | 40        | 40        | 40        | 40        | 40        | 40        | 40        | 40        |
|           | Vitamin A  | IU    | 800 000   | 850 000   | 850 000   | 1 000 000 | 750       | 1 000 000 | 750 000   | 750 000   | 1 000 000 |
|           | Vitamin D3 | IU    | 150 000   | 150 000   | 150 000   | 200 000   | 100 000   | 200 000   | 120 000   | 150 000   | 200 000   |
| Vitamin E | mg         | 2 000 | 2 000     | 2 500     | 3 000     | 2 000     | 3 000     | 2 000     | 2 500     | 4 000     |           |

# in form on the farm



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