BIOPLEX® HIGH FIVE

Organic trace minerals specifically formulated for New Zealand dairy cows.

- Improved fertility
- Reduced mastitis
- Reduced somatic cell count
- Improved hoof health
- Improved farm profitability

WHY USE BIOPLEX® HIGH FIVE?

- Proven extensive trial work
- Improved absorption, reduced mineral excretion
- Safe, traceable and consistent
- Improved animal health and performance
- Increased profitability

MINERAL MANAGEMENT
...naturally
Setting the standard for mineral nutrition
What are Bioplex® Minerals?

Bioplex® minerals are the result of extensive research and development carried out by Alltech, a leading developer of innovative natural nutrition products for improved animal health. Bioplex® minerals are organically bound complexes where positively charged minerals such as copper, zinc and cobalt are bound to peptides (very small protein molecules) and amino acids. They are more bioavailable than inorganic minerals such as sulphates as the complexes protect the trace minerals from interactions with other minerals in the rumen. Bioplex® minerals also pass more easily from the gut lumen through the mucus layer lining the villi and across the gut membrane into the blood stream. The improved bioavailability means higher levels of cow performance can be achieved with smaller quantities, and less minerals are excreted into the environment and wasted.

Sel-Plex® is Alltech’s proprietary selenium-enriched yeast, designed to mimic Mother Nature. It is better absorbed and utilized by the animal than inorganic selenium.

Alltech’s Bioplex® range of chelated organic trace minerals provides mineral nutrition in the form of zinc, copper, and cobalt as close to nature as possible.

Q+ is Alltech’s positive release programme unique to the Bioplex® organic trace mineral range.

- All batches of raw material sources and final product are tested for dioxins, PCBs and heavy metals.
- Q+ integrates Bioplex quality measure, guaranteeing total chelation and mineral content, developed over the last 28 years.
- Q+ was developed by Alltech and is an integral part of the Alltech Quality System (AQS).

### BIOPLEX® HIGH FIVE

**BIOPLEX® HIGH FIVE** is a specific blend of five essential trace minerals (zinc, copper, cobalt, selenium, iodine) designed for feeding all year round.

<table>
<thead>
<tr>
<th>Mineral Supplied (mg per cow per day)</th>
<th>Bioplex® High Five (grams per cow per day)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>5g</td>
</tr>
<tr>
<td>Zinc</td>
<td>300</td>
</tr>
<tr>
<td>Copper</td>
<td>125</td>
</tr>
<tr>
<td>Selenium</td>
<td>3.0</td>
</tr>
<tr>
<td>Cobalt</td>
<td>12.5</td>
</tr>
<tr>
<td>Iodine</td>
<td>8.3</td>
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</tbody>
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*Caution:* Copper and selenium can be toxic in excess quantities. Do not give other sources of copper or selenium, or exceed 8g of Bioplex® High Five per cow per day except under professional advice. Do not feed to sheep. Refer to label for full directions and cautionary comments.