

# Cell Power<sup>®</sup>

## SizeN<sup>®</sup> Potato Growth



Cell Power<sup>®</sup> SizeN<sup>®</sup> supplies Nitrogen in a form that encourages compact growth and rooting rather than the weak vegetative growth stimulated by conventional N fertilizers. Cell Power<sup>®</sup> SizeN<sup>®</sup> uses a unique chemistry to hold nitrogen in the amine form.

It is nitrogen uptake that dictates how fast and where crops grow, with nitrogen form being the main contributor to growth hormone synthesis in crops. Nitrates encourage auxin production, favoring vegetative growth (top growth of shoots), while amine nitrogen encourages cytokinin production, favoring reproductive growth (the growth we harvest).

When we feed crops nitrogen, they mostly take it up as nitrate (no matter what form it is applied in), which means plants mostly use their nitrogen to put on top growth. In crops like potatoes, farmers must manage conflict between applying the nitrogen their crop needs, and the crops natural propensity to use that nitrogen to grow foliage rather than tubers. This leads to a reduction in tuber setting and bulking.

Cell Power<sup>®</sup> SizeN<sup>®</sup> exposes the crop to bursts of amine nitrogen, which helps to direct growth towards tuber development. Research shows that exposure at key growth stages have an effect on where the crop puts its resource, Cell Power<sup>®</sup> SizeN<sup>®</sup> exploits this, encouraging better tuber setting and development.

Application rate: 2 qts/acre through center-pivot and solid-set sprinkler or micro-irrigation systems, 3-5 applications starting at tuber initiation.



Analysis: 15-0-7  
15% Nitrogen (N) 13.7% Urea, 1.3% Nitrate  
7% Potassium (K<sub>2</sub>O)

**Quality & Crop Safety is our #1 Goal**

For information about products please contact OMEX<sup>®</sup> Agrifluids  
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