

Cell Power® LifeOmex® - Almonds

helps plants survive and thrive through stress.

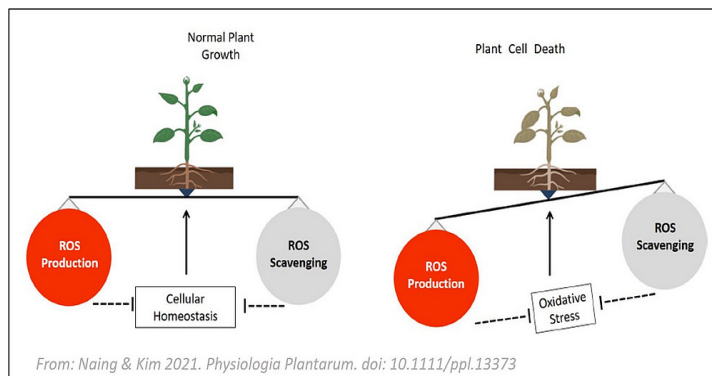
Stress is the single biggest influence on crop yield. Stress can come from a variety of sources including biotic or abiotic.

- Biotic sources of stress can include: viruses, fungi, bacteria, insects, and weeds.
- Abiotic sources can include: dramatic temperature fluctuations, prolonged heat, drought, flooding, salt, sunlight, pesticides, herbicides, and hail.

Worse yet, when these factors are combined their effects are exacerbated.

Stressed plants produce harmful Reactive Oxygen Species (ROS), molecules which damage cell membranes. Ethylene, a stress hormone, is produced in response to exposure to prolonged stress. Ethylene weakens cell walls causing them to excrete calcium, to counter the ROS molecules being produced. Even if plants recover from stress periods, it's likely that a large amount of the plant's resources went towards its recovery effort when it should have been using those resources for establishment or reproductive efforts.

LifeOmex® is a blend of naturally occurring cytokinin and auxins, proprietary saponins, and other isolates from selected plant extracts. This blend can act synergistically to provide balance and stimulation to plants being subjected to environmental stresses. **LifeOmex®** helps protect plants from stress! **LifeOmex®** stimulates production of polyamines that strengthen and protect cell walls while also producing antioxidants that protect the plant from ROS damage from abiotic and biotic stress. Plants that are protected with **LifeOmex®** often show a rapid recovery period from major stress events, so they can continue putting their efforts toward reproductive growth.



Stress damaged plant cell wall causing chloroplasts to leak out. μm

Credit: Salk Institute

This TEM image reveals a damaged chloroplast (white arrow) with its contents leaking out.

LifeOmex® can provide benefits to a wide range of crops at a recommended rate of 8-16 ounces per acre. **LifeOmex®** is easy to use by blending with many pesticide, herbicides, or fertilizer programs. **LifeOmex®** can be applied as a starter, foliarly, or through irrigation systems. Always jar test prior to tank mixing with other fertilizers or pesticides. Consider incorporating **LifeOmex®** into your crop's regular program especially when seasonal stresses are at their highest.

Contact an **OMEX®** Agronomist to get personalized recommendations for your crops.

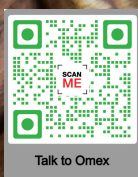
LifeOmex™ 4-4-4 with EBA Technology

Analysis: 4-4-4

Density: 9.19 lbs/gallon

Packaging: 2.5 gallon & 265 gallon mini-bulk

For more information Call **559-661-6138** or Visit www.omexusa.com



Talk to Omex

✓ 45 years of improving yields