

THE PHOENIX



INTELLIGENT SOLUTIONS FOR A
MORE SUSTAINABLE AND
PROFITABLE AGRICULTURE

AGRI-TECH FEATURE

“We Need a New Green Revolution” – *www.nytimes.com*

“DESPITE the four-year drought that has parched California and led to mandatory restrictions on water use, farmers there have kept feeding the country. California produces more of 66 different food crops than any other state, \$54 billion of food annually.

Maintaining this level of productivity has been quite a challenge in recent years and is likely to become more difficult over the next few decades as weather patterns, available water and growing seasons shift further and threats of invasive weeds, pests and pathogens rise.

If agriculture is to have any chance of answering these challenges, we must have new and improved techniques and technologies”

“Throughout humanity’s existence, farming and food

production have always benefited from innovative solutions that solved challenges and looked beyond the horizon. Now more than ever, we need to embrace 21st-century science, fund it and turn it loose so we can develop better methods of putting food on the table. Our world is changing; the way we grow and produce food needs a much richer diet of scientific ingenuity to keep pace.”

To read the full article, [click here](#).

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FUTURE OF THE FOOD INDUSTRY

“Future farming relies on new technology”- *www.ft.com*

“The challenge now is to grow more food on existing farms because the area of new land suitable for agricultural cultivation is limited. The amount of land cultivated for arable crops expanded by 14 per

cent between 1961 and 2007, but there will only be another 10 per cent of new land available in the next 40 years, according to figures from the FAO and Rabobank, a Dutch co-operative lender.”

“Over the past 40 years, yields from crops increased by 77 per cent, boosted by the widescale application of nitrogen, potassium and phosphate fertilisers. But the FAO estimates that yields will need to increase by a similar proportion in the next 40 years — a daunting task without another technological leap. “Intensification, higher yields and more intensive use of land, needs to contribute 90 per cent of the growth in global crop production to 2050,” an FAO report claimed.”

For the full article, [click here](#).

NEWS IN BRAZIL

“Brazil unveils \$20bn recession lifeline” – www.ft.com

“Brazil has announced R\$83bn (US\$20.4bn) in extra credit from the country’s state-run banks to help groups ranging from farmers to real estate companies survive the nation’s deepest recession in more than a century.”

[Click here](#) to read the full article.



MORE THAN A FERTILIZER

Research has shown that by integrating TK47 into their nutrient management systems, farmer’s benefit from TK47’s multi-functionality in 4 key aspects:

1. Crop nutrition
2. Crop protection
3. Soil improvement
4. Increased sustainability



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