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In the Loop

Innovations in Agriculture and Food Systems

APRIL 2015



Welcome to *In the Loop*, an e-newsletter from Closed Loop Capital featuring hot topics in agriculture technology, food system innovation and venture capital. Follow us on Twitter and LinkedIn and feel free to [contact us](#) at any time with updates and thoughts.



Recent headlines have been dominated by the **historical drought** unfolding in California and more broadly across the Western United States. A senior water scientist at NASA recently gave the full picture of the situation in California and predicts one year of water supply remaining in the state's reservoirs. Under a new paradigm of extreme and unpredictable weather bringing record droughts, the implications on agriculture spur further need for new water conservation practices and innovative technology solutions.

The need for greater on-farm efficiencies, optics into field conditions and decision support systems for growers is driving hardware and software innovations. Forbes recently profiled **agriculture among the top industries that are exceptionally well poised for disruption via cloud-based solutions**. Investors in Silicon Valley and around the world are accelerating their investments in on-farm environmental and activity-based data acquisition and management. The world's largest agriculture and food companies are also responding through continued internal R&D and acquisitions of new emerging technologies across the field to address strained supply chains and consumer demand.

chemical-based ag inputs for weed and pest protection and yield enhancement. A report issued by *Micro Market Monitor* predicts the **global biologicals market will grow at a 15% CAGR to \$9 billion by 2019.**



BIOLOGICALS

Global agricultural biologicals market is expected to grow by a CAGR of 15% until 2019



CLOUD-ENABLED APPS

Which Industries Are Uber-Vulnerable for Cloud Disruption?



FARM DATA

Big data pushes the boundaries of 360-degree visibility



AGTECH INVESTING

Agtech Investments Taking Shape



AG INNOVATION

Silicon Valley Meets America's Salad Bowl to Create the Farm of the Future



WATER

NASA: California Has One Year of Water Left

About Closed Loop Capital

Closed Loop Capital is an early-stage venture capital platform investing in exceptional entrepreneurs leading ventures in agriculture technology and food system innovation in the United States and Canada.

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