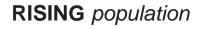


Turning Data Into Insight for Farmers Martin Rand, CEO, VitalFields



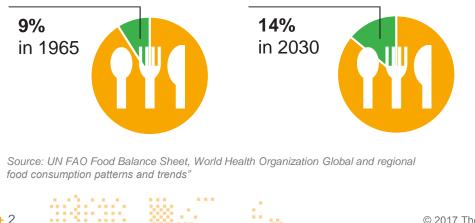
Global: Crop Production Demand Climbing



- **1980 ^{**}******** 4.4в

Source: http://esa.un.org/unpd/wpp

RISING animal protein consumption

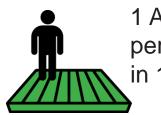


GROWING middle class



Source: http://www.reuters.com/middle-class-infographic

DECLINING arable land



1 ACRE per person in 1961 <1/3 ACRE per person in 2050

4.9B

THE CLIMATE

Source: The World Bank, Food and Agriculture Organization of the United Nations (FAO-STAT), Monsanto Internal Calculations

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Technology Advancement Enabling Digital Agriculture



» Implications for Agriculture

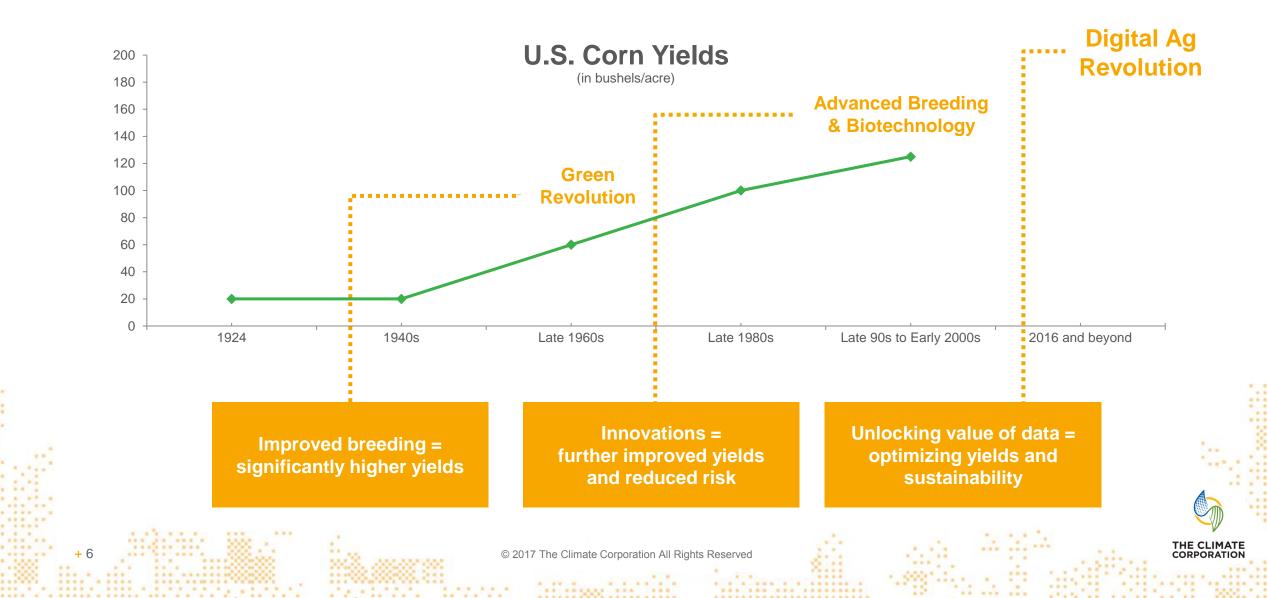


THE CLIMATE CORPORATION

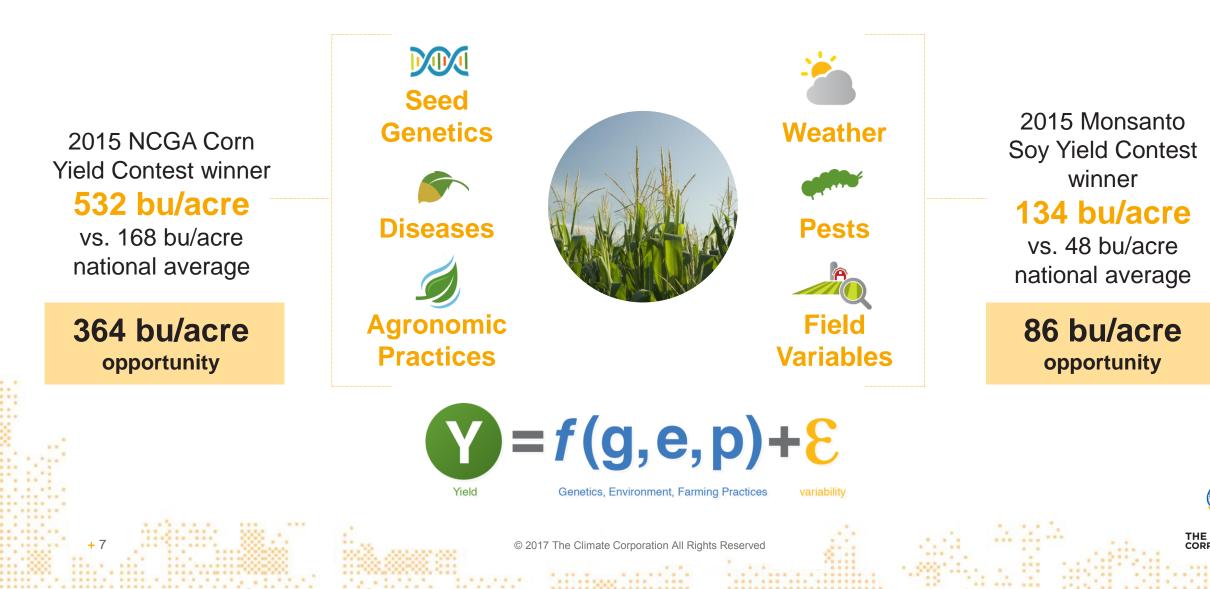
Everything That Affects Ag is Becoming Digitized



Adoption of Technology Leads to Increases in Crop Yields



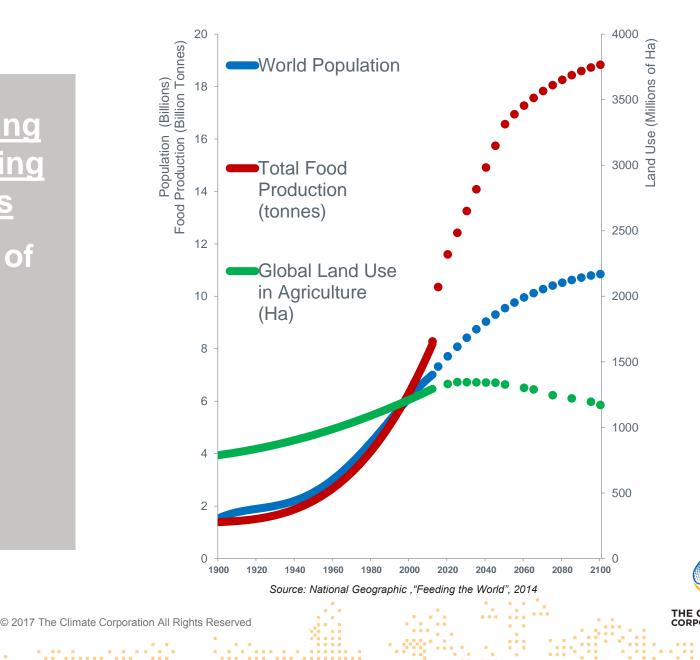
Narrow the Yield Gap from Variability



Improve Sustainability

Sustainably Supporting Demand and Preserving Natural Landscapes

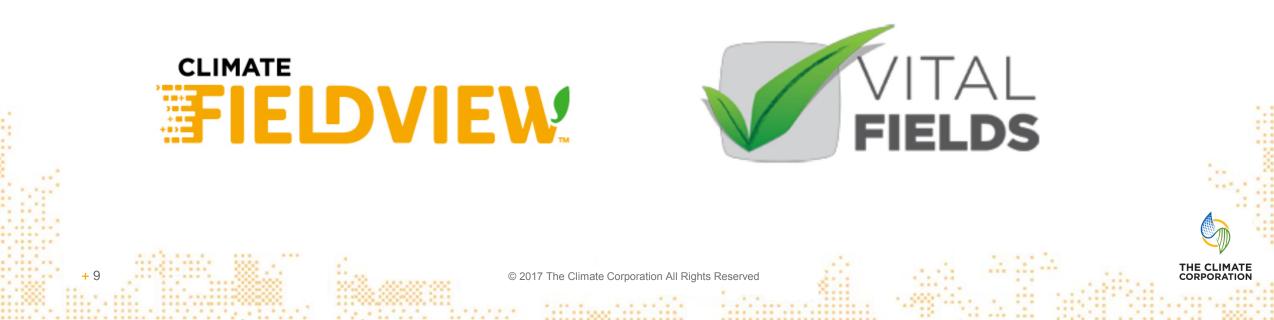
- Reduce the footprint of farming
- ✓Increase crop yields
- ✓Improve efficiency
- ✓Reduce waste
- ✓Improve diets



Climate FieldView[™] and VitalFields

•VitalFields is now a part of the global leader in digital ag services

- Strengthening Climate's efforts to deliver industry-leading digital technologies to farmers
- Building one centralized digital ag platform to provide farmers with tools to optimize their operations
- •Expanding access to these tools in Europe and around the world



VitalFields prevented the overuse of 10-30 kg/ha nitrogen using data analysis on test farms

- Spring wheat over
 fertilisation due to the
 yield objectives set
 too high for the soils.
 Over application on
 nitrogen was
 20 kg N/ha. +21 €/ha
 gain.
 Plant protection: One
 - Plant protection: One pass of spraying could have been avoided. +24 €/ha gain.

- Winter wheat over fertilisation of 10-15 kg N/ha.
- +13 €/ha gain.

Vint

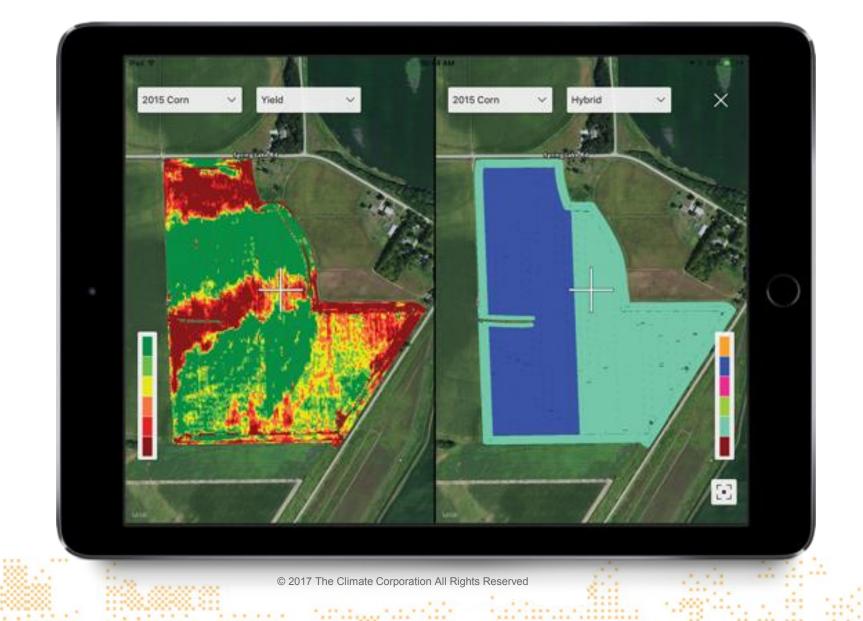
Winter oilseed rape
over fertilisation of
30 kg N/ha.
+31 €/ha gain.

Vinter

Digital Ag Today

.....

+11



6

THE CLIMATE CORPORATION

Climate's Vision for Digital Ag Tomorrow A digitized world where every farmer is able to optimize and flawlessly execute every decision on the farm.



ATMOSPHERE







+ SOIL

Clear and Consistent Approach to Data Privacy

» Farmers own the data provided to us

» Farmers can delete their data from our systems upon request

 We will ask for farmer consent before using information for any purpose other than those described in our policy



Thank You

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