



## Framtidens Lantbruk

I ett globalt perspektiv

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## Autonoma traktorer som styrs av intelligenta maskiner



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## Future Strategy Roadmap

Vision 2030  
Mars 2024



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**Background**

- The agricultural industry is changing fast, with technological innovations reshaping the way farming is done.
- Technology transition in Agriculture has typically been slow, however, the expected technology adaption over the next decade is expected to accelerate quickly, and was very evident during Agritechnica 2023
- Convergence of current techniques and approaches together with new and emerging technologies will lead to more powerful tools, and disrupt the way farming will be done over the next decade.

**Target**

- Define the areas where Smart Farming are expected to evolve
- Define our position, and strategy within that roadmap
- Define a short, medium and long term strategic vision that is actionable, transparent and drive future growth



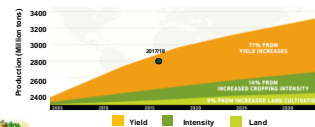
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## ▪ Crop Yield Growth - 2030

By 2030, the global food demand is expected to rise by 35%. The biggest growth contributor expected from yield increases and reductions in food waste.

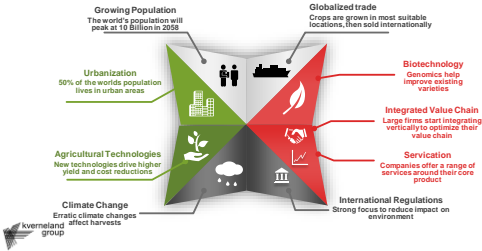


Reference: [\[link\]](#)



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▪ Mega Trends disrupting Agriculture



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▪ Industry Specific Trends disrupting Agriculture



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Några exempel på nya tillämpningar

Behovet av Big Data i stora odlingar har varit en utmaning. Men med hjälp av drönare har man funnit lösningar för att optimera skörden av Äpplen



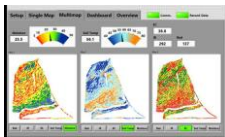
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Great plains soil mapping



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True View



Vid en överfart fångar man in data gällande

- Fukt
- Temperatur
- Elektrisk konduktivitet
- Jordtyp



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Kverneland Pudama



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## Kverneland Farm Centre

▪ [https://youtu.be/vUtX4qoBG\\_o](https://youtu.be/vUtX4qoBG_o)

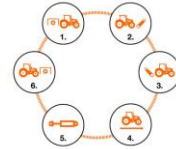
▪ Detta är en plattform där samtliga maskiner kan registreras och via Bluetooth och en Gate Way monterad på maskinerna så kan man ställa in maskiner direkt från datorn eller mobilen, ingen USB är nödvändig längre



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Kubota TIM M7003 KVT  
Functions that can be controlled by the implement



1. PTO - rear (speed and command for switching on and off), e.g. a seed drill
  2. PTO1 (front) - rear (position command), e.g. a mower
  3. PTO2 (front) - rear (position command), e.g. a fertilizer spreader or seed drill
  4. Tractor speed (steering, speed and gear control), e.g. a tillage
  5. Selection control (steering flow and status command), e.g. being the task to report the status
  6. Front PTO (speed and command to switch on and off), e.g. a front spool
- \*These additional Tractor Implement Management (TIM) functions will be available in the near future

Letting the implements do the work



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## Framtidens dragare ?



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Tack



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