

## syngenta

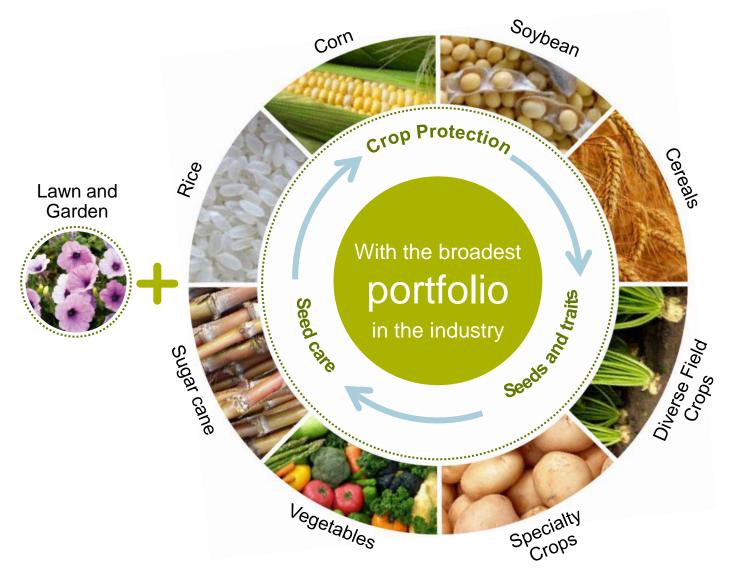
## **Bringing Plant Potential to Life**



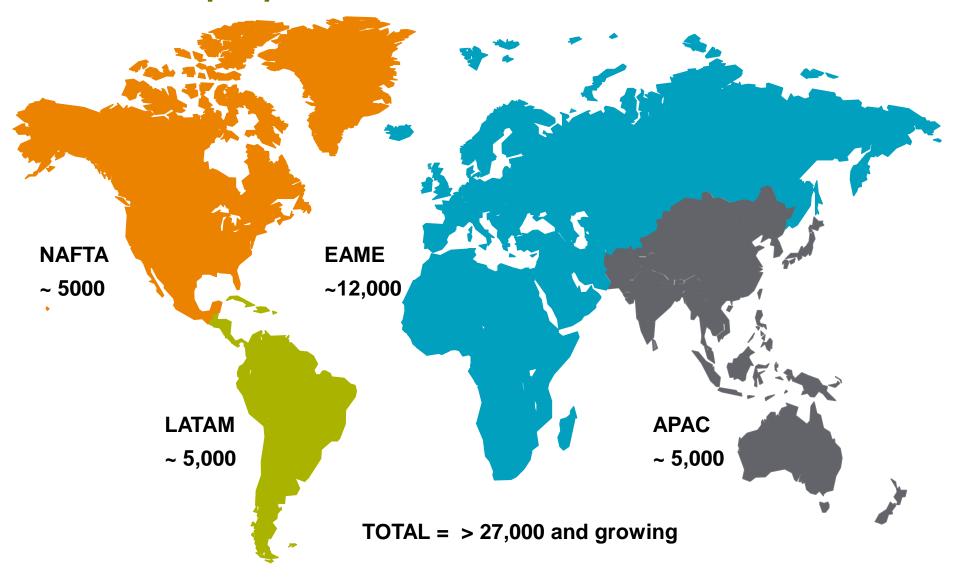
Dr Lisa Mitchell

Syngenta, Huddersfield Manufacturing Centre

#### We are integrating technologies



#### Where our people are located



#### **Technology & Engineering – Global Capabilities**

> 900 staff deployed around the world



rocess Engineering &

**Piloting** 

Agronomy

**Process** 

**Process** Science



Process Technology

Application & Development Engineering

**GLOBAL T&E** 

Quality & Analytical

**Product** Chemistry



**Project** 

Engineering Formulation Technology & Developmer

Seed **Enhancement** Technology

Packaging Engineering



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# Technology & Engineering - Global Function with Strong Interfaces

- Designing & implementing technologies for Crop Protection and Seeds Products
- New Product introduction (Seeds, Active Ingredients and Formulations)
- Life Cycle Technology Management
- Sourcing
- Asset Provision
- Project Engineering



#### My background

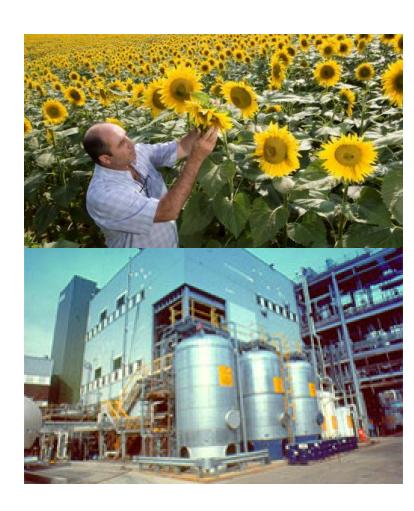
- MChem: University of York with one year placement at Nestle (analytical chemistry).
- One year with Novartis, Horsham (analytical chemistry).
- PhD: University of Leicester (finished at Strathclyde) with Prof Jonathan Percy in physical organic and organofluorine chemistry.
- Started with Syngenta in 2008 as a contractor in Process Studies Group at Jealott's Hill.
- Taken on permanently 3 months later as Senior Process Chemist.
- 1 month secondment to Monthey, Switzerland in 2010.
- Move to Huddersfield Manufacturing Centre 2011, promotion to Chemistry Team Leader for Herbicides.
- Transition to GL from July 2014 for Herbicides group.

#### Areas of work in Syngenta

- Chemistry research, process, manufacturing, analytical, formulation.
- Biology plant science, GM, seeds, entomology.
- Agronomy
- Engineering production, seeds processing, pilot plant, development, project management.
- Regulatory human, environmental, animal safety, toxicology, product registrations.
- HSE environmental, occupational, information.
- IP
- Legal
- Business and marketing includes supply chain, procurement, sourcing, asset planning etc.

#### Plants – not just the green things!

- Syngenta's key products are crop protection and seeds.
- R&D of new products research chemistry is an obvious career path for new graduates.
- How about seeds processing?
  - Seeds are natural so how easy is it to standardise processes?
  - Seed treatments.
  - Estimation of volumes and yields...
- How about manufacturing?
  - Produce Syngenta Al's and formulate them.
  - Brings about the challenges of scale.
  - Optimisation, improvement and daily pressures of production.



#### Benefits of working for a large company

Benefits: the 'extra stuff' Access to variety of jobs internally; international assignments. Chance to work abroad. Internal networking and cross-functional working. Employee development eg personal or graduate programme Job security

### Thank you!

• Any questions?