

# Grow With Fera Plant Metabolism Studies



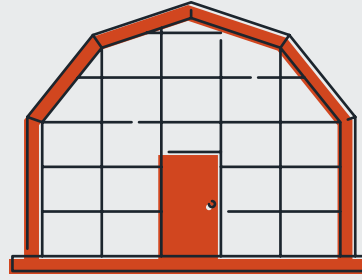
## Environmental replication



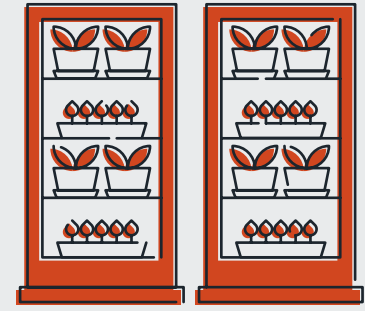
Outside Field Plots  
(natural conditions)



Cold Glass Insectaries and polytunnel  
(protected)



54 Environmentally Controlled Glasshouses  
(temperature and light)



7 Plant Growth Rooms and 5 Plant Growth Cabinets  
(temperature, light and humidity)

Over  
**2,000,000**  
plants grown in 20 years

## Study Types:

Primary Crop Metabolism  
(OECD 501; OPPTS.860.1300)

Metabolism in Rotational Crops  
(OECD 502; OPPTS.860.1850)

Residues in Rotational Crops  
(OECD 504; OPPTS.860.1900)



## Dedicated Experts:

Study directors, project managers, analytical chemists, metabolism chemists, metabolite identification chemists and horticulturists

## Crop Types:

Extensive range of plants and crops including Cotton, Lettuce, Maize, Potatoes, Rice, Soya, Sunflower, Tomato, Turnip and Wheat, grown from seed to maturity

## With Specialist Equipment including:

19 Triple Quad Liquid Chromatography Mass Spectrometers (LCMS)

6 High Resolution LCMS including Orbitrap technology

14 Gas Chromatography Mass Spectrometers (GCMS)

6 x  $\beta$ RAM, four model 5, stop-flow

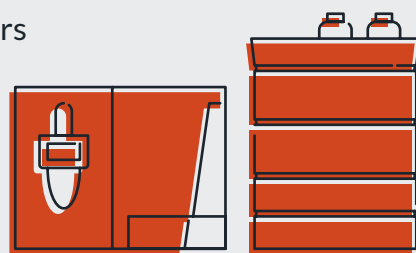
Liquid scintillation counters

3 High Resolution GCMS

Fuji Bioimage analyser

5 Radio-HPLCs

2 NMR



With over  
**£25 Million**

of state of the art analytical equipment



## Sectors

Agrochemical, and pesticide manufacturers



## GLP Compliance & Integrated Service

Study design & delivery, expert regulatory advice, radiosynthesis support and metabolite identification



## Quality Management

Dedicated Quality Assurance (QA) team with over 50 years of GLP experience in QA inspection, compliance and UK regulations