Applied Agriculture Remote Sensing Centre (AARSC)

- Foster collaboration
- Monitoring and forecasting of crop health
- Calibration and validation
- Evaluation of emerging technologies
- Gateway to Industry
- Commercialisation support
- Training and extension

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What us:
Industry coverage (last 3 years)
Alignment with SmartSat
CRC Program 3

Activity 2
Development and delivery of industry specific EO analytics products and services for e.g. Agriculture, Horticulture, Forestry, Aquaculture, Mining and Resources, and Transport and Logistics

Activity 3
Development and optimisation of a design process for specialised EO sensor engineering for specific industry applications

Industry  | Application/ product | Sensors used
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Sugarcane  | Yield, vigour, N uptake regional forecasting  | Sentinel, Landsat, SPOT6, WV-3, Ground based active
Rice  | Yield, vigour, N uptake  | Sentinel, RapidEYE, UAV, airborne WV-3, Ground based active
Peanut  | Yield, vigour, aflatoxin crop establishment  | Sentinel (optical & radar), WV-3 Ground based active, IOT
Avocado  | Yield, tree health, national mapping  | Sentinel, WV-3, UAV, SPOT6 Ground based (thermal, LiDAR)
Mango  | Yield, maturity, national mapping,  | Sentinel, SPOT6, WV-3, Ground based NIR, IOT

Analytics products and services

Application driven sensors design