

A wide-angle photograph of a lush green agricultural field. In the foreground, rows of young corn plants with long, pointed leaves are visible. The field extends to a flat horizon under a clear, bright sky. In the distance, a blue tractor is working in the field, and a long irrigation system is visible on the horizon.

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Invasive Identification

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Machine vision enables automated remediation

Invasive species (whether flora or fauna) require **fast** and **accurate** identification in order to allow farm staff to select an appropriate response.

Sagentia has designed and built optical systems to identify alien species in the field and in the laboratory: monitoring and recording the presence of weeds from a camera attached to a mobile vehicle, and airborne insect identification / counting for purposes of pest control and pollination measurements.

Our team is experienced in designing systems for deployment in muddy, vibration filled environments with fast, low power processing requirements.

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