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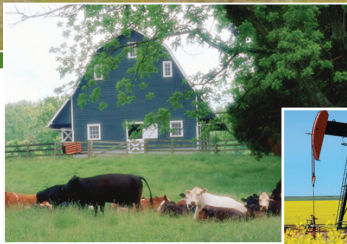
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GPS Crop Yield Monitoring Program



ARECA  **AGRICULTURAL RESEARCH
AND EXTENSION COUNCIL
OF ALBERTA**

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GPS Crop Yield Monitoring Program

The GPS Crop Yield Monitoring Program involves collecting crop yield information from reclaimed industrial sites in Alberta, determining the impact on productivity over an extended period of time.

How do I participate?

Farmers who have a yield monitor on their combine and a reclaimed industrial site on their land are eligible to participate in this program by contacting their ARECA Association Manager (contact information included at the end of this brochure).

What is an industrial site?

An industrial site includes any reclaimed areas such as oil/gas well-sites, battery sites, pipelines, sand/gravel pits or road borrow pits. Abandoned railway beds and roadways require certification after being reclaimed but the focus of the program is on oil/gas sites in Alberta.

How large are these industrial sites and what is the time frame?

Most are 100 by 100 metres but the size can vary depending on the type of site. Crop yield data can be from the current year's harvest but historical yield data is also appropriate.

What kind of equipment is needed for collecting crop yield?

Yield monitoring equipment could include the John Deere Greenstar/Apex system, Case IH AFS system, Ag Leader or Trimble.



How is crop yield collected?

Once a field has been harvested with the yield monitor, the crop yield data is usually collected on a PMCIA card (size of a business card). The card is slotted into a reader connected to the farmer's office computer. The data is taken off the card and can be exported from the office computer to an electronic file using software the farmer received when he/she purchased the crop yield monitoring system. The electronic file can be emailed to ARECA offices in Sherwood Park or put on a CD-ROM and mailed.

How can I participate?

With most precision agriculture software, it takes about 15 to 20 minutes to export the yield data from a field that contains an industrial site. There is no need to make maps – only the raw, electronic data collected from the field is needed for the program.

What's in it for me?

Farmers will be paid for their crop yield information. This monitoring program is expected to conclude in 10 years, so farmers will be asked to sign a guideline to provide their crop data for 5 years providing funding is available.