

Ph.D. ASSOCIATES INC.

Research and Consulting
Kinsmen Building, Suite 200
4700 Keele Street
Downsview, Ontario
Canada M3J 1P3

Tel: (416) 736-5295 or Admin.
offices (416) 667-3805

Company background. Ph.D. Associates Inc. is a consulting and services company primarily involved in scientific applications of computing in the field of ground-based, airborne and satellite sensing, instrument control, data processing and imagery analysis.

Research. In conjunction with Canada's Atmospheric Environment Service, Ph. D. Associates Inc. has been conducting research into the utilization of passive microwave satellite data for the remote sensing of soil moisture.

Services. The company also specializes in satellite applications for monitoring of the oceans, including wind speed measurements over the open ocean for short-term climatological forecasts, for marine operations, and for snow cover and sea ice measurements.

Applications also include land uses and hydrology; data processing, analysis and management; system programming; software maintenance; operational support; and instrumentation control.

Contact: Frank E. Bunn, Ph.D., President

Consulting. The company offers consulting services on remote sensing organization, and image interpretation and mapping for agriculture, environmental analysis, route selection and water quality.

PRAIRIE AGRI PHOTO LTD.

292 Main Street South, P.O. Box 817
Carman, Manitoba
Canada R0G 0J0
Tel: (204) 745-2009 or -2479

Contact: Jack McKinnon, President/Director
Branch office: Prairie Agri Photo Inc.,
Winterhaven, Florida, U.S.A.

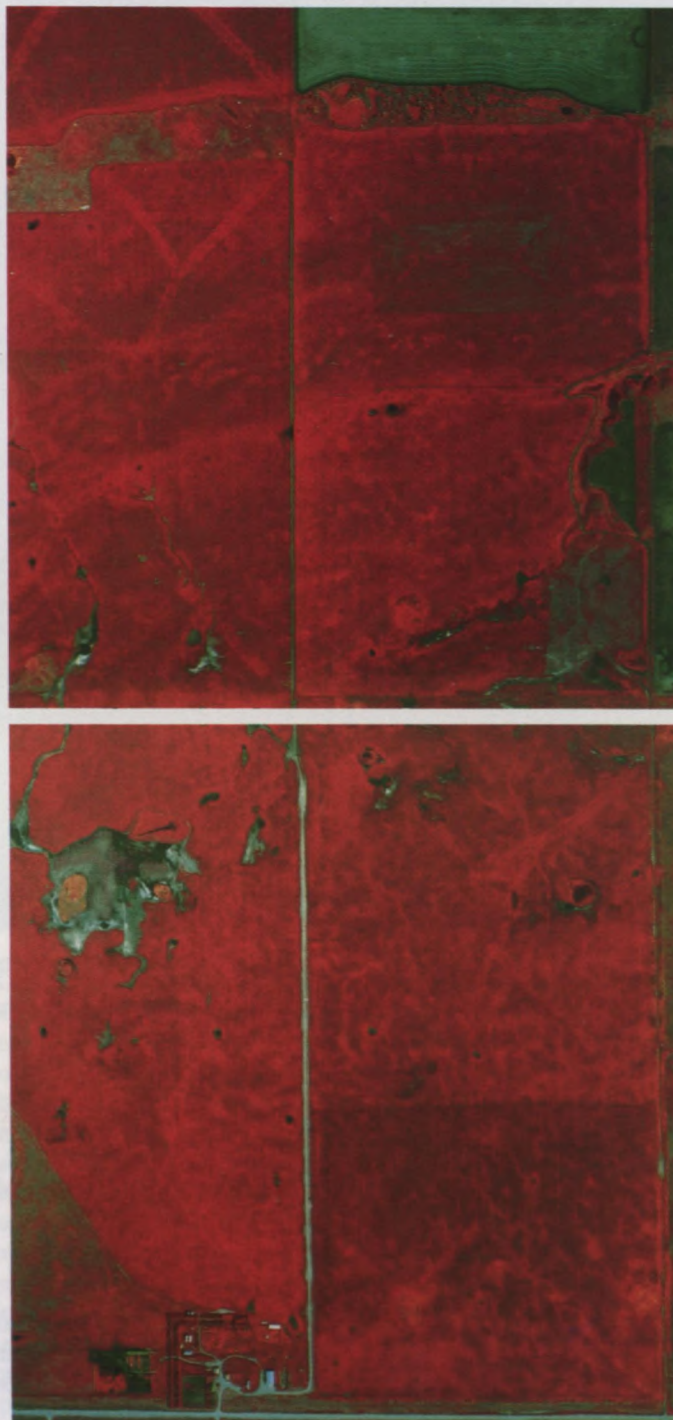
Company background. Prairie Agri Photo specializes in infrared aerial photography and "scenic" aerial photography. Founded in 1975 by its present owner, Jack McKinnon, the company has experienced a steady growth pattern over the decade.

Facilities and equipment.

Its assets include its home-office building with administrative facilities and full dark room capabilities, a Cessna 172 aircraft, four Hasselblad 70 mm IR camera systems, and three 6 cm x 7 cm Pentax medium format systems.

Services. The company uses infrared aerial photography to enable grain and fruit producers to assess their crops' strengths and weaknesses quickly and accurately. An infrared photo can indicate fertilizer response, weed infestation, poor drainage, soil differences, and other features. It is used as a management tool to improve productivity. In Florida, Prairie Agri Photo offers its infrared capabilities to professional managers of vast tracts of citrus trees. A manager responsible for assessing the health of a million orange trees can get a quick and efficient tree count and identify every ailing tree by using the company's relatively inexpensive infrared aerial photography services.

Prairie Agri Photo also offers consulting services on the design and implementation of remote sensing programs; on practical matching of data needs and available technologies; and on decisions related to technology transfer. The company offers image interpretation and mapping services in the fields of agriculture and environmental analysis. Land-use applications include main crop inventories, early acreage estimates, forage production estimates, soil utilization, crop optimization, disaster quantification, crop stresses evaluation, drought, salinity stress, shrub encroachment, wetlands classification, and management information for crop producers.



Prairie Agri Photo's colour infrared aerial photography enables grain and fruit producers to assess strengths and weaknesses of their crops quickly and easily.