

# Master Feed Research Farm tests poultry, pigs

Story and photos by Pat Ford

There's only one farm around here with seven barns full of chickens, turkeys and pigs. Not to mention the five Ph. D.'s and three research supervisors who run it.

The Master Feeds Research Farm two miles north of Hornby is a feed and seed research centre for Maple Leaf Mills Ltd. Primarily concerned with the feed business, they raise poultry and swine on experimental diets. In the seed division researchers test and breed grass and turf under Canadian climatic conditions.

An eighth barn houses dogs and sheep kept by the Hospital for

Sick Children in Toronto for heart experiments.

Through the glass

All animals are kept entirely indoors in closed heat, light and sanitation conditions. Visitors view the operation of each building from observation rooms.

Two varieties of chickens are kept—Jaying hens and broilers. Replacement pullets for the laying hens are kept in cages in a heated barn for their first 20 weeks. The barn is relatively dark because light stimulates hormonal activity in the birds. If this activity and the maturity of the birds are controlled up until 20 weeks, it has been found their first eggs are larger than those of hens exposed to light.

When the birds are moved to cage layer units there are three birds in a cage, divided into 240 groups of 15 for diet experiments. Egg quality can be varied by diet, according to consumer preference. Dr. John Boomgaard, a nutritionist, says people in the Montreal area prefer a lighter colored yolk while shoppers here like a bright yellow yolk.

Control heat, light

The broiler hens are kept in both batteries and floor pens. In the batteries different groups of birds can be studied under uniform conditions, and in the floor pens researchers can observe the effects of different heat and light intensities. In contrast to laying hens, broilers are exposed to light

24 hours a day so they will grow as quickly as possible. The meat birds are shipped to market at seven weeks, weighing four pounds.

Turkeys are started in controlled heat and light floor pens similar to broilers and later are moved to an open pole barn in diet groups of 50. Because of the open-sided barn only one flock per year is marketed. They are shipped in October, weighing 13 or 14 pounds at 14 weeks.

In the swine complex 45 sows are confined in individual stalls during gestation. Three days before giving birth they are moved to one of 15 farrowing stalls, where they remain for three weeks afterwards to wean

the piglets.

To market

Between three and a half and four weeks later the piglets are moved into pens of six, where they remain until marketing time at about 160 days, or 200 pounds.

Two men can handle the daily work in the swine barns, while four workers feed and clean the poultry. This includes agriculture students from the University of Guelph working for the summer.

The seed division tests and breeds varieties of grasses for lawn and golf turf and forage crops. Materials are imported from all over the world and tested in the Canadian climate. Desirable characteristics are incorporated to make the most

suitable strain for different areas and purposes. In turf breeding, factors such as ability to spread are considered, and forage, legumes and grasses are mixed with feeding and seeding in mind. Strains are begun in two greenhouses and then planted outside in patchwork plots of mixed and pure stands side by side. Each variety is mowed to two different lengths to determine the effects of cutting on performance.

Larger staff

The seed division employs eight researchers steadily, with extra help in the summer.

While poultry, swine, and grasses are the priorities of the Hornby farm, Maple Leaf Mills does corn research in Wallace-

burg and co-operative cattle research with the University of Guelph. Beef feedlots are kept in Laval, Quebec and near Edmonton Prairie farmers plant fields for the company for grain research and seed production.

The Ruffed Grouse develops a comblike growth on the side of its toes in the wintertime to help it walk on snow.

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61 PERSONAL

BAHA'U'LLAH

says: "quote p.10 Baha'i World Faith"  
"Verily I say, this is the Day in which mankind can behold the Face, and hear the voice, of the Promised One. The call of God hath been raised, and the light of His countenance hath been lifted up upon men."

For more information write: BAHA'I Box 13, Milton, Ont. or call 877-4213 41a4

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Colonial style 2 pc. Chesterfield (like new), Sklar swivel rocker also like new, Maple Colonial style round coffee table and 2 matching end tables. Colonial rocking magazine rack. Maple combination liquor & book case (very nice). Oak writing desk. 9 pc. kitchen suite incl. table & 8 chairs. 2 vinyl swivel rockers. 2 seat chesterfield and chair. 2 clothes hampers. 3 chest of drawers. 6 drawer dresser with mirror. Wood toy chest. 2 child's tables & chairs. School desk. Maple Colonial set of Bunk beds, excellent condition. Kitchen cabinet. Steel kitchen utility cabinet. Floor lamps & table lamps. Few pictures. Desk lamp. Small flower stand. Walnut vanity dresser (old) excellent condition. Other tables and work bench. Gun rack. Single continental bed. Child's play pen. Round wall mirror. Oil lamp. Child's rocker. Single wooden bed and spring.

78 AUCTION SALES

APPLIANCES—Sylvania 26" color T.V. with sliding front doors (like new). Silverstone portable T.V. 2 stereo speakers. Inglis 2 door frost-free (green) refrigerator (new 4 months ago). General steel ware refrigerator. Moffat 4 burner electric stove with rollertop, like new. Beatty electric clothes dryer only 3 months old. R.C.A. automatic washer. Viking wringer only 3 months old. Vacuum cleaner. G.E. floor polisher. Kenmore console electric sewing machine only used few times. Carpet sweeper. A.M. & F.M. deluxe mantle radio.

TOOLS AND MISC.—1966 Rambler station wagon, selling as is. Lawnmower power lawn mower good as new. Stainless steel can. Child's rocking horse. 2 pr. of drapes 12' x 6 1/2', 19' x 7 1/2'. Tool box, platen. Aluminum & wooden step ladders. Complete socket set. Roll of vinyl. Electric double blade hedge trimmer (new). Black & Decker skilaw like new. 4" bench vice. Swimming pool filter & pump. Black & Decker sander. New set of deck faucets & filler. 1/4" electric drill. Swisschalt jewellery box. Carpentry and other hand tools. Full set of Wear-ever cookware. Renoware stainless steel cookware. Electric frying plan, glass and china. 3 pc. mirror console set. R.C. child's illustrated Bible. Large R.C. family Bible (new). Assortment of other books, misc., etc., small electric appliances, 4 pc. soup Tureen.

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86 REAL ESTATE

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OPEN HOUSE at 18 Rosemary Rd., Acton on Sunday July 29, 1973 from 1 to 5 p.m. Spacious 3 bedroom side split with family room, broodroom, many extras. Open financing. Asking price \$44,900. Phone 853-2859. 86a4-4785

TWO BEDROOM House for sale on Churchill Rd. North, Esqueving Township, North of Acton. Includes 2 acres of land 853 0619 or 416-849-7304 (Clarkson) 86b5-7997

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Well located semi-detached home, has 1 1/2 bathrooms, 3 bedrooms, extra large kitchen and dining area plus full basement \$27,500 with terms.

ROCKWOOD

Double corner lot with solid yellow brick house. The lot is also zoned for commercial use. Think ahead to the installation of main services. This will have real value, \$33,000 full price.

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**Church Services**

**MAPLE AVENUE BAPTIST CHURCH**

81 Maple Ave., Georgetown

Pastor: Rev. Robert C. Lohnes

Sunday July 29, 1973

10.15 a.m.—Worship

6.30 p.m.—Worship.

Warm welcome to all.

Georgetown 877-6665

**EVANGEL PENTECOSTAL TABERNACLE**

P.A.O.C. 33 Churchill Rd. Rev. S. M. Thomas, Pastor 853-2715

Sunday July 29, 1973

10 a.m.—Sunday School

11.00 a.m.—Morning Worship

7.00 p.m.—Evangelistic Service.

Rev. H. Roberts of Newfoundland will be guest speaker for these services.

Thursday—8.00 p.m. Christ Ambassadors

Psalm 18:2. The Lord is my rock, and my fortress; and my deliverer, my God, my strength, in whom I will trust, my buckler, and the horn of my salvation, and my high tower.

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9.00 a.m. Holy Eucharist

10.00 a.m. Holy Eucharist

Rev. John Ball

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Rev. Andrew H. McKenzie B.A., B.D.—Minister

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Sunday July 29, 1973

10:00 a.m.—Divine Worship, Sermon

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(Nursery for Babies and Toddlers)

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86 REAL ESTATE

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