



BILL ELLIS

New Modern Commercial Mill Increases Production, Efficiency

A new modern Feed Mill with two and a half times the former capacity has been installed in The Quaker Oats Company of Canada Limited, plant Peterborough, Ontario.

This new mill has been built to produce formula feeds with the maximum of efficiency and accuracy. It is equipped with the latest innovations in milling processes making use of all the modern mechanical and electronic devices for "perfection check" control in manufacturing Ful-O-Pep Feeds.

Huge grain and ingredient bins, three stories deep, each contains a different grain ready for milling. New devices are used to maintain a continuous supply of ingredients required for the mixing lines.

Basic philosophy of the new Feed Mill is to replace the "batch" system with a "continuous flow" system of mixing.

Instead of dumping for hour to hour needs, ingredients will be moved so that the flow of mixed feeds can be maintained at the required level.

Handling Incoming Ingredients

The grains and ingredients will come in bulk and sacks direct from railroad sidings. They will then be mechanically transported to the holding bins for storage.

The holding capacity of the new Feed Mill exclusive of the large grain elevators is:

- Grains and By-Products—30,000 bu.
- Purchased Ingredients—150 cars

Grinding, Cracking and Crimping:

The latest and most modern machinery is used in grinding, cracking and crimping whole grains for use in commercial feeds and scratch grains.

Continuous system of mixing:

The new commercial feed mill will have two "continuous mixing" systems where the individual ingredients in the proper proportions are collected on the mixing line. This is then conveyed to the mixing unit where the Liquid ingredi-

ents are applied and from there to the packaging units.

This new "continuous system" of mixing uniform mixes continuously to insure uniform mixes of individual commercial feeds at all times.

Special Receiving Floor for Ingredients

New modern equipment handles the many ingredients required in commercial feeds formulation today and distributes these to their respective holding bins ready for release to the "continuous mixing systems."

Modern Packaging Units.

The finished commercial formula feeds are conveyed to modern packaging equipment where they are bagged off into 50-pound paper bags, 100 pounds jute or cotton by automatic packaging machines.

These bags are then conveyed to box cars & trucks for shipment to the trade.

Special dust collectors:

The new modern Feed Mill has been equipped to operate in a dust-free atmosphere for reasons of safety, health and economy. The latest conveying and collecting air equipment is used in this new mill.

Modern dust collectors are used to pick up dust-laden air and separate the two to discharge clean air to the working area.

Up-to-date equipment has been installed to take stones and foreign bodies from the grain. There is also a separate air suction unit which removes the dust from the grain.

Pelleting and Crumbling Facilities:

The present-day demand for Commercial Feeds in pellet or crumble form makes up a big part of feed manufacturing to-day. The new Quaker Mill has the latest modern equipment to produce Commercial Feeds in these forms.

The pelleting and crumbling of Commercial Feeds makes available a real saving to feeders through the elimination of waste in feed and faster growth of birds and animals.

ELLIS BROS.

Dealers For

Ful-O-Pep and Quaker Farm Supplies



HAROLD ELLIS



Pictured above is Ellis Bros. Ful-O-Pep Farm Supply, located next to their store on the St. Peters Road. A completely equipped feed store is now servicing farmers in this area six days a week.

The Right Kind Of Grit Important For Growing Pullets

Grit is even more important to a growing pullet than teeth are to a growing boy and girl. We can cook foods to make them soft for human beings. However, chickens are fed whole grain, and they can't handle it unless they have the proper grinding equipment. Having no teeth, all birds naturally swallow their feed whole. But they instinctively eat grit or gravel to break down their food. When a hen swallows a hunk of insoluble grit, it's retained in the gizzard to help grind up the feed so it can be digested.

Grit is especially important in the Ful-O-Pep Restricted Feeding Plan because it is a heavy grain-feeding plan. Oats, recommended in this pullet-growing plan, require a great deal more grinding than other grains, because of its high fibre content. A hard gray granite grit is best, with black specks of mica in it. The black specks seem to attract the birds' attention, and cause them to eat it readily.

The grit must be acid-insoluble... one that won't dissolve or fizz when dropped in a solution of sulfuric or muriatic acid. This is so it will not dissolve in the gizzard. Materials such as limestone dissolve in the presence of the birds' digestive juices and aren't much good for the grinding job. To maintain the growing pullet's health, the acid of its gizzard should not be destroyed by feeding any lime products. Lime does lower the degree of acid in the gizzard.

Feed gray granite grit from the time the chicks are started. Sprinkle fine granite grit on top of the starting mash each day until the chicks are 3 weeks old, then change to medium-sized grit. Increase the size of the grit again when the birds are 6 weeks old to hen-size grit.

In recent tests comparing various types of grit, the chickens receiving granite grit developed gizzards that weighed 50% more at 8 weeks than the gizzards of the chickens receiving no grit. Gizzards linings, too, were twice as heavy as those of the other chickens. Grit not only helps develop stronger gizzard muscle, but also helps pullets grow much larger gizzards.

A big strong gizzard helps save because the bird can thoroughly grind up the feed and make more of the nutrition available in its body. Then, too, a bird with a large gizzard can handle more feed. And this promotes maximum growth and production and adds up to boosting the poultryman's profits.

New FUL-O-PEP "Sugar-Coated" PIG STARTER PELLETS Offer Big Benefits!

- * Pigs start eating solid feed much sooner.
- * Pigs grow much faster.
- * Increase weaning weight approximately 10 lbs.
- * Greater gains are made on less lbs. of feed.

SEE US FOR FULL PARTICULARS!

"FOR GROWTH AND GRADE FUL-O-PEP IS TOPS!"



Gentlemen: For growth and grade Ful-O-Pep is tops. I have fed considerable amounts of Ful-O-Pep for nearly a year now. My grade previously was only 85% select and, since feeding Ful-O-Pep, it has gone up to 90%.

The large quantity of oats in Ful-O-Pep seems to give the young pigs lots of growth before the finishing period.

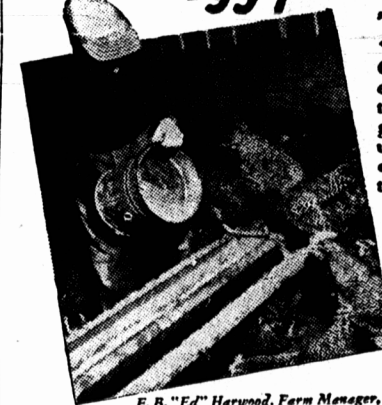
(signed) T. F. Lowndes

says T. Lowndes, Kawick, Ont.



FUL-O-PEP PIG GROWER

"FUL-O-PEP controls our Egg production!"



says Bill Newman, Newark, Ontario: "Ful-O-Pep Super Greens Pellets are an excellent supplement to our feeding programme and enable us to control egg production throughout the laying season."

Newman Poultry Farm



E. B. "Ed" Harwood, Farm Manager, top-feeding Super Greens Pellets. Ful-O-Pep Super Greens Pellets give your layers and breeders a vitamin boost... help maintain steady feed intake... keep birds laying heavily and steadily.

Have You Housed Your Pullets Yet?

Come in and talk over your laying house needs with us. We have an egg production plan designed to

REDUCE YOUR COST PER DOZEN EGGS!

Free literature, record cards and folders are available to show you how, on the Ful-O-Pep Egg Production Plan, it is possible to reduce your cost of producing a dozen eggs.

We are equipped to take care of your needs in feeding and managing the laying flock and have a complete stock of such items as:

- Poultry Feeding Oats Insoluble Grit
- Oyster Shell Poultry Equipment
- Ful-O-Pep Egg Mash

This year plan to follow the Ful-O-Pep Egg Production Plan and make more money on your laying flock.

Mr. Poultryman—Interested In Saving Up To 1/3 Feed Costs?

Well, you can on the Ful-O-Pep Pullet Growing Plan! Not only do you save on feed costs by feeding less mash... more grain, but you grow better birds, too!

Yes, because Ful-O-Pep contains all the essential proteins, vitamins and minerals (including valuable, additional trace minerals), your pullets get all the nutrients they need to develop into big, healthy birds... birds capable of heavy, sustained egg production.

Come in and ask us about—

FUL-O-PEP GROWING MASH

It's easy to raise BIG GROWTHY HEIFERS on FUL-O-PEP CALF FEEDS!

Yes, Dairyman everywhere report that Ful-O-Pep grows better calves faster... calves that are larger and more rugged, with plenty of dairy temperament.

Calves take to Ful-O-Pep... develop keener appetites... stay on feed... build greater resistance to disease.

- STRONG STRAIGHT TOPS
- BRIGHTER EYES
- NO EXCESS FAT OR THICKNESS
- STRAIGHT STRONG LEGS
- HIDES ARE SOFTER—MORE PLIABLE—HAIR HAS MORE BLOOM

Ask us about FUL-O-PEP Calf Feeds

Proper Management Saves Little Pigs

The first few days are a critical period in the pig's life. During this period many pigs are lost which might be saved by proper care and management. To help you save pigs at this time, we list here some important management points.

EVEN UP LITTERS when sow or gilts have more pigs than they have active teats. Switch extra pigs to another sow or gilt with pigs about the same age if possible.

DOSE WEAK PIGS with 2 tea-spoonfuls of sugar solution every 3 hours for the first day or so to give them strength to get up to nurse. A 1/2 corn syrup, 1/2 water solution is recommended.

RAISE ORPHAN PIGS — Commercial cow's milk is now available in Canada for orphan pigs where mother is lost or doesn't secrete sufficient milk.

MARK THE LITTERS during the first 2 or 3 days, for it will make it easier for you to select breeding gilts and boars from the large, vigorous litters.

CUT NAVELE CORDS AND PAINT with tincture of iodine during the first day to help prevent navel infection.

CLIP NEEDLE TEETH to prevent damage to the sow's udder and eliminate little pigs cutting each other in fighting. Use side-cutter pliers. By being careful, you can do a clean job and won't injure the pig's jaw.

GUARD AGAINST ANEMIA — Treat each pig individually with reduced iron once a week for first three or four weeks according to directions.

SET UP A CREEP, by the time the pigs are five days old. Place Ful-O-Pep Sugar Coated Pig Starter Pellets in a small self-feeder or trough. Supply clean, fresh water.

CASTRATE MALE PIGS by the time they are 4 weeks old.

Ful-O-Pep Feeds are made and supplied by

Congratulations to ELLIS BROS. Every Success in your Venture

The Quaker Oat Co. of Canada Ltd.