

# Testing Grain Moisture Content

Grain moisture content is one of the most important factors affecting quality as well as storage-keeping ability of grain.

Grain moisture testing is mandatory for proper management of grain — either while drying or during storage.

The degree of accuracy needed in grain moisture testing will

depend on the basic purpose for testing. If grain is to be sold and a moisture discount is involved, testing equipment should be very accurate.

If moisture content of the grain in the field is being checked to decide when to harvest, less accuracy is acceptable.

There are several points to observe in order to assure accuracy of a grain moisture test:

(a) Get a truly representative grain sample.

(b) Place sample in a moisture-proof container until it is tested.

(c) In sampling grain from a dryer, take several samples from different sections of the dryer and mix together. Cool sample before testing.

(d) In sampling stored grain, probe into center of grain mass and take sample from near both bottom and top.

(e) Weigh samples very precisely, if weighing is required.

Electric moisture testers are the most common type for on farm use because they test accurately, quickly and directly. This type of tester does not require oven-drying and may or may not require precise weighing. It registers moisture content of the grain sample by measuring certain electrical properties of the grain.

Electrical conductance or capacitance of grain varies depending upon grain moisture content. This variance can be related directly to grain moisture content and read on a scale.

Moisture testers will vary in accuracy and costs according to

elaborateness and refinement of the unit. Testers providing accuracy to plus or minus one half of one per cent — good for approximating moisture conditions for combining, storing, etc., — retail for under \$100.

More precise units which measure moisture content to plus or minus two-tenths of one per cent — good for commercial grading or marketing pur- poses — retail for higher amounts.

## IF YOU PLANT CORN

YOU'LL WANT THIS  
**Ortho Unipel Starter  
Fertilizer 13-34-10**



- Easy to handle in 50 lb. bags . . .
- Proven performance . . .
- Highest available analysis . . .
- Convenient to store and use . . .
- Most uniform pellet . . .
- Uniform early response . . .
- Higher yields

Also available in bags or bulk  
20-10-10, 16-16-16, 10-20-20

T.M. Reg. U.S. Pat. off. Ortho and Unipel

FOR MORE INFORMATION CONTACT

**P. L. ROHRER & BRO., INC.**

SMOKETOWN Phone Lanc. 397-3539

## NEW YORK STATE DAIRY FARMS

MENNONITE AREA

#1 303 ACRES — 200 tillable, more available. 75 acres pastureland, balance woodlot. Comes stocked and equipped. Drive thru basement barn, 95 ties, plus pens and stalls, gutter cleaner, 625 gal. bulk tank, dumping station, 2 concrete silos, metal corn crib, storage buildings. Approx. 80 head Holstein cattle, 45 milch cows, balance bred, open and started calves. Machinery consists of, J.D. 3020 diesel tractor with blade & scoop, Ford 8N tractor, plows, drags & discs, 2 self unloading wagons, 2 kicker racks, 2 spreaders, hay-bine, baler with kicker, field chopper, side delivery rake, 4 row corn planter, weed sprayer, grinder mixer, blower and pipe. Hay elevator, mow conveyor, 6 milking units and all tools pertinent to dairy farming. Excellent 4 bedroom modern home only 5 years old. Complete \$120,000.00 or may be bought bare.

#2 240 ACRES — Nearly all tillable. 65 stanchion barn, plus stalls and pens. Gutter cleaner, 600 gal. bulk tank, 2 concrete silos. Garage and machinery storage. 2 good houses. Same owner 33 years, now retiring. \$82,500.00. Reasonable down payment, terms on balance to qualified buyer.

#3 253 ACRES — 215 tillable. 53 stanchion milking barn, 24 stanchion heifer barn. 2 silos, bulk tank, dumping station, 3 milking units. 52 Holstein milch cows, registered with papers. 2 good homes. Everything goes but machinery. \$82,000.00. Part down, terms on balance to responsible buyer.

If you are thinking of buying a New York State dairy farm, it will pay you to consult me.

Call Area Code 315-457-3380

or write

**CHAS. J. GRAHAM REAL ESTATE**  
114 N. Woodland Dr., Liverpool, N.Y. 13086

## Ballots on Milk Merger Mailed

Ballots for voting on a new base-excess milk marketing plan were mailed this week to Lancaster County dairymen and others in three federal milk marketing orders.

Voting on the new 12-month's plan is part of a two-section vote on the new Middle Atlantic Marketing area federal order issued May 18.

The new order merges the three federal orders now regulating milk markets in Baltimore, Philadelphia and Washington D.C. All producers marketing milk under the three orders will receive ballots.

Ballots are expected to arrive by June 1, and voting is expected to be completed by June 6.

A two-thirds vote of the producers voting will put the new base-excess plan into effect in the fall.

If two-thirds of the producers voting fail to approve the base plan, then all producers will be paid on a 'blend' price basis throughout the year. There would be no base plan.

## John and Patricia Case's Complete Dispersal

We, the undersigned, having sold our farm will sell at public auction, located 1 mile east of Troy, Pa., Bradford County.

**FRIDAY, JUNE 5, 1970**

Starting promptly at 9:30 a.m.

### 102 — Head Hi-Grade Holstein Cattle — 102

53 young milking age animals consisting of fresh cows, summer and fall freshening.

12 bred heifers due late August and September 1.

16 open heifers of breeding age.

21 heifers — 2 months to 1 year old.

Above listed animals are from NEBA and ABS sires, all with good size and type that you will like.

Private Herd test average for 1969 — 13,673M, 514.3F; 1968 — 14,751M, 559F.

Interstate tested, charts on sale day. Pregnancy checked-catalogues.

### MACHINERY

2 tractors — JD 4020 Diesel, Ferguson 30, Ferguson plows, JD 34 chopper with both heads, N.H. 271 baler with pto thrower, 2 self unloading wagons, 2 N.H. crop drying wagons, Oliver 4-bottom trailer plows, 12' self-propelled versatile windrower, Clay 1500 gal. Honey wagon and many more good pieces of up-to-date machinery.

**MILK EQUIPMENT** — 625 Universal Vacuum milk tank, washer, dryer, dumping station, 4 DeLaval milker units and other milk room necessities.

**SILLO EQUIPMENT** — 2 Badger silo unloaders (sold minus tripods).

**PRODUCE** — Quantity good mixed second cutting straw.

**FENCE AND SHOP EQUIPMENT**  
**LUMBER — SNOWMOBILES**

**JOHN and PATRICIA CASE**  
Owners

Terms: cash or good checks

Auctioneer's — Carl Diller and Everett Kreider  
Clerk — Rich Sweet  
Sale Manager — D. O. Rockwell, Troy, Pa.  
Phone 717-297-3460.

## SPECIAL FEEDER SALE

**FRIDAY, JUNE 5, 1970 - 1 P.M.**

One Owner Cattle — 300 Mile Haul  
Consigned to Mert McCoy Cattle Co. — 800 head

180 Head 450 lb. Holstein Steer Calves  
140 Head 550 lb. Holstein Steers  
120 Head 700 lb. Holstein Steers

Preconditioned Cattle All Immunized For Feedlot Diseases And Acclimated

210 Head 600 lb. Gd-Ch Hereford & Angus Steers  
100 Head 800 lb. Gd-Ch Hereford & Angus Steers  
45 Head 900 lb. Gd-Ch Hereford & Angus Steers

Other Consignments of Grade & Sizes Available

**LANCASTER UNION STOCK YARDS**

LANCASTER, PA.