

Aluminum Increases Livestock Profits

Government and private industry research experts have shown that there is a direct relationship between livestock profits during hot weather and their rate of gain. The most important factors are plenty of water and shade during the hottest part of the day, according to the United States Department of Agriculture and agricultural tests.

Research findings show that aluminum is considerably more efficient in protecting livestock from solar radiation than the "invisible" heat, the "invisible enemy" of livestock comfort, than any other type of shading.

They can't measure solar heat with an ordinary thermometer because the invisible heat-energy from the sun does not heat until they reach an object, such as an animal.

Complicated scientific equipment to measure how well different types of shade shields livestock from solar radiant heat. The difference, however, is easily noticeable by anyone standing under an aluminum shelter for awhile.

If livestock are not sheltered from these rays, they become overheated and partially lose their appetite. This results in lowered production—less meat, less milk and fewer eggs.

Iowa State College recently made a study of protection provided by various types of shade. In this test, as in others, aluminum was the most effective solar radiation and heat-reducing shade.

In a farm test to determine how aluminum shade prevents the hot-weather slump in livestock production,

at Morton Brothers of Elizabethville, Ind., erected a simple, pole-type, aluminum cover shelter over the feed bunk for 44 head of cattle. This was the only shelter provided for these cattle during the test.

In another lot they placed 44 similar cattle with a conventionally galvanized roof

barn for shelter.

During the 42-day test, the cattle under aluminum gained an average of 9.37 pounds per head more than those under galvanized shading. They also reached market finish two weeks earlier and brought \$150 per cwt. more because they graded higher.

Similar results have been recorded in tests with hogs, dairy cattle and poultry.

State Research Reveals High Price of Erosion

Harrisburg—The Pennsylvania State Soil Conservation Commission today reported preliminary findings in a 10-year stream characteristics survey being made in three small watersheds in Perry and Tioga Counties.

The findings show that some 2,565 tons of soil washed downstream from the "creek-size" watersheds from October 1954 to September 1955. This is an average of 69 tons per square mile in the watersheds studied.

Most spectacular finding was that hurricane Diane carried away 450 tons of topsoil in one day in Bixler Run in Perry County. The hurricane damage was not so great in Corey and Elk Creeks in Tioga County.

The Corey Creek damage amounted to 66 tons and Elk

These facts emerged from the first phase of the 10-year program being carried out in Perry and Tioga Counties. Preliminary records also show that stream beds in the watersheds are building up through gradual accumulations of eroded materials.

by the State Soil Conservation Commission and the U. S. Geological Survey. Rainfall, sediment, water quality and channel changes are measured and then related to soil conservation programs installed by farmers.

"This tells us exactly how long it takes for erosion control to work," William L. Henning, commission chairman said. "In this way we are building more scientific ammunition for our 50 Pennsylvania county Soil Conservation Districts to use in selling soil and water conservation practices," he added.

"Now is the time for everyone to note the color of water in the streams," Henning said. "Muddy water means that soil conservation measures upstream can save soil fertility, increase farm income and improve the value of water for drinking and recreation."

Preliminary records also show that stream beds in the watersheds are building up through gradual accumulations of eroded materials.

PLASTIC COVERING

16-20 Ft. Wide
Black or Clear

GROFF'S HARDWARE

NEW HOLLAND

DEAD ANIMALS REMOVED PROMPTLY

Will Pay Full Value For Dead Animals Dealers in Bones, Tallow and Hides

FRY'S RENDERING WORKS

Prop., John Fry
2114 Hollinger RD.
Lancaster

Ph. EX 2-4815 If No Answer: Phone EX 7-0472

SIMPLICITY

Garden Tractors

Snavely's Farm Service
NEW HOLLAND EL 4-2214

YES! WE HAVE NEW NOCULIZED ALFALFA SEED

919 and 10-19 Brands

Noculized Alfalfa Seed is pre-inoculated to save you time, trouble and muss—guarantees you thicker stands, higher yields.



919 Brand—For short term rotations

Provides surer thicker stands, greater disease resistance, higher guaranteed purity and germination. Lower hard seed content. Produces thicker stands of leafy, fine-stemmed plants that make top quality hay or pasture. Known adaptable. Blended for this area.



10-19 Brand—For long term rotations

10-19 Brand is the Alfalfa proven wilt-resistant, proven hardy, proven adapted for Eastern soils and climate. Lower hard seed content, 99.90% purity, 95% germination including hard seeds. Known pedigree of all seed in 10-19 Brand means you can buy with absolute confidence—it is audited and verified.

WHOLESALE DISTRIBUTOR

Seaboard seed company

701 SOUTH FRONT STREET, PHILADELPHIA 47, PA.

BOARD'S NOCULIZED ALFALFA SEED DEALERS

LANCASTER
Farmers Supply Co.
East King Street

DENVER
Paul H. Gehman

OXFORD
Whiteside & Weicksel

LANCASTER
Bomberger's Store

ELM
Bomberger's Store

PARKESBURG
E. H. Keen & Son

LANCASTER
& McGinnis

LANDISVILLE
J. Harry Summy

QUARRYVILLE
Ross H. Rohrer & Sons

LANCASTER
B. Hurst

LITITZ
Eby's Mill

REFTON
I. B. Graybill & Son

LANCASTER
Miller's Mill

MANHEIM
Cassel's Mill Inc.

REINHOLDS
A. W. Ebberly

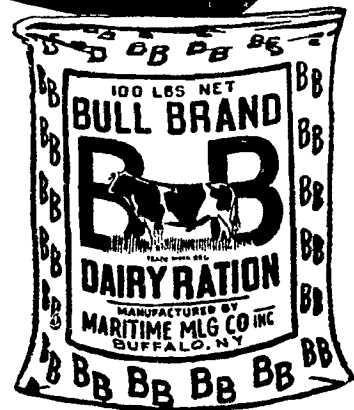
LANCASTER
& Jackson

MILLWAY
J. H. Reitz & Son, Inc.

TERRE HILL
Harold H. Good

AVOID SUMMER MILK SLUMP...

with a TOP QUALITY PASTURE SUPPLEMENT



• Pastures are getting short. The moisture is out of the grass. Step up the protein in your grain ration now to avoid summer milk slump. B-B Rations are scientifically formulated to give your herd the needed dry matter for continued top milk production. Let us recommend the exact ration to round out your roughage now.

B. G. MELLINGER & SON
Willow Street, R. D. 1

S. O. TRUPE
East Earl, R. D. 1

IRA B. LANDIS
779 Valley Rd., Lancaster

M. S. GRAYBILL & SON
Bareville

• We carry all BULL BRAND Dairy Rations •

THE FARMERS SUPPLY

137 E. KING ST.

LANCASTER, PA.

"SEEDING"

Cert. Dual Wheat
Cert. Seneca Wheat
Cert. Thorne Wheat
Cert. Pennoll Wheat
Cert. DuBois Oats
Cert. Kenbar Barley
Cert. Hudson Barley
Uncert. Wong Barley

Timothy
Alfalfa
Red Clover
Dom. Rye Grass
Pasture Mixture
Balboa Rye
Tetra Peikus Rye

Use PASTURGRO



Good Pastures Mean Good Livestock

PASTURGRO is specially formulated to meet pasture needs. It supplements plant nutrients in your soil. It gives the balance of growth elements needed to produce grass and legumes with higher feeding value and greater carrying capacity.

Use Pasturgro During September to improve your grassfields.



FOR FALL SEEDING
—
RYE
OATS
BARLEY
WHEAT

BLENN is a plus-value plant food and is specially formulated for Wheat, Oats, Barley - Rye, fortified with extra growth elements to meet the soil requirements to produce heavier yields.