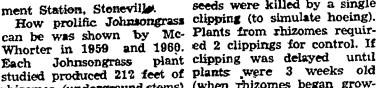
## Johnsongrass **Control** Program Is Sought

Why does stubbornly resist control? In seed per season. arces where this vigorously growing plant is considered rhizomes didn't grow fast the plant's metabolism of a weed, practical control is extremely difficult.

Vicorous growth of Johnsongrass may be an advantage on certain grazing land where it's a valuable forage. But on cropland, Johnson- zomes from 3 weeks after troublesome weels.

That's why USDA-State research is aimed at learning more about Johnsongrass. New information, scientists hope, will aid development of more effective ways to comwat it. So far, some interesting things have been discovered about the plant's growth.

Findings indicate the importance, too, of early season mechanical chemical and controls. The studies are being conducted by ARS plant psysioligist C G. McWhorter in cooperation with the Mississpp Agricultural Experi-



Johnsongrass and nearly -11/2 pounds of ing), they survived 2 subse-In relation to top growth,

bloom stage—at about 47 produced about 85 feet of rhizomes. Seedlings produce rhi- after) this stage."

grass is one of our most emergence to maturity. Ma- the quantity of glurose ing spring.

> developing from rhizomes, growth habits almost identi- g'ucose content drops sharp

Two-weekold plants from seeds were killed by a single

rhizomes (underground stems) (when rhizomes began growquent weekly clippings.

A rapid change occurs in (about 8 feet per plant) until food at bloom stage. This may help researchers deterdays, however, each plant mine why Johnsongrass becomes much more resistant to chemical control at.(and

Soon after growth starts, ture Johnsongrass produce the predominant sugars in other rhizomes that grow un- Johnsongrass - drops to a til frost, overwinter, then low level. Johnsongrass is sprout new plants the follow- most susceptible to chemical control at this stage of When comparing plants growth. Glucose, an easily métabolized sugar, increases the researcher found their until blooming. A full bloom

**Purebred Beef** To Be Sold

Staunton, Va-It has just Whorter in 1959 and 1960. ed 2 clippings for control. If been announced by Dave Each Johnsongrass plant clipping was delayed until Canning, Staunton, Virginia studied produced 212 feet of plants were 3 weeks old that the Annual Great Atlantic Angus Spring Auction

> 'ly -a stored sugar-remains at herd of the late Oscar H a low level until bloom merstein, II, Doyleston stage, then increases as glucose content drops.

> Such fundamental knowledge of the growth and me-tabolism of weeds through- Canning also reports out their life cycles is essen- some 200 good commen tial to the development of ef- Angus females will be ficient chemical, cultural, in uniform groups at mechanical, and biological close of the sale of regis methods of control.

will be held this year at Zoorama Arena just south New Market, Virginia Route 11, on Wednesday, 19th of April.

Canning said that it will be a wide variety breeding represented in 400 head of Registered gus cattle being offered outstanding herds in On the other hand, sucrose East, including the en Pennsylvania, and about half of the excellent B land Hill herd at Ga ville, Virginia. The sale ed cattle.

SEE US FOR... YourSpringNeed FERTILIZER SPREADER SERVICE AVAILABLE Armou Cramers Baughs Limestone & Lime Vertagreen for lawns and gardens Weed Killers for pastures Garden Seeds & Tools Tobacco muslin & fencing **Poultry Feeds & Supplies** West Willow-Farmers Assoc WEST WILLOW Ph. EX 450 



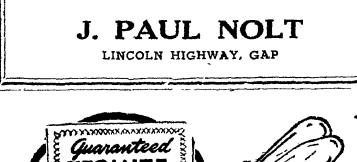


## **Leaves Stay on Stems** when SLOW ROLLED

MEYER Conditioning Rolls recolve slower . . . because they are fed by an exclusive, separate mek-up - and do NOT rely on high Jea by an exclusive, separate mck-up - and do NOT rely on high speed in order to mck up the hay When high speed rolls are used, hav is grabbed up and forced through . . . leaves are lost. With the MEYER, the hay is lifted and fed through the slower-moving rolls which thoroughly but gently crack the entire stems without crimpings and gently press the leaves The leaves a MEYER saves put more dollars into your pocket, yet MEYER is priced lower.

Condition while you cut Use your own mower with Model 675, or get Madel 680 with built-in-mower, a MEYER patented feature Model 205, without separate pick-up, is for use on smooth, rock-and-terrace-free fields. Does superior job to crimper-type machine.

MEYER - maker of famous MEYER elevators - is the original and oldest manufacturer of hay conditioners - with over five years more experiwhen than all other makes.





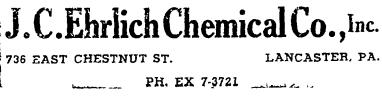
USING CYANAMID AMMONIUM NITRATE UREA We Will Apply it for you by Jeep or Plane Plant

Food Co. GROFFTOWN RD. EX 2-4963





- RELIABLE INSPECTION AND CONSULTATION --WITHOUT COST OR OBLIGATION
- ENDORSED BY PROMINENT ARCHITECTS, BUILDERS AND REALTY INSTITUTIONS
- WORK PERFORMED BY SPECIALLY TRAINED OPER-ATORS COVERED BY PUBLIC LIABILITY INSURANCE
- DEPENDABLE PROTECTION BACKED BY A RESPON-• SIBLE ORGANIZATION, ESTABLISHED FOR OVER A QUARTER OF A CENTURY
- COMPLETE PERFORMANCE UNCONDITIONALLY GUARANTEED FOR 5 YEARS, OR LONGER, IF DESIRED
- THE COST OF TERMITE CONTROL IS NOW TAX-DEDUCTIBLE, IF THE INFESTATION IS DISCOVERED AND TREATED WITHIN TWO YEARS FROM OCCUR-RENCE
- . PLAY IT SAFE, LET US INSPECT YOUR PROPERTY NOW - IT COSTS NOTHING TO FIND OUT



## 2-FURROW 2-WAY P

- TRUSS BEAMS-Give 24-inch beam clearance for deep and good trash cleanance.
- HYDRAULIC ROLL-OVER Finger-tip operation of lever rotates plow quickly. Simple design with heavy dirt-shuelded bearings and supports.
- RUGGEDNESS-Truss beams provide extra strength d points of greatest stress.
- BREAK-BACK PROTECTION-Each bottom has a shed for protection from hidden objects.
- HANDY CONTROLS-and simple adjustments enables easily get top performance with both sets of bottom
- 3-POINT HITCH—Fully mounted on Ford 3-point links

Available with 14- or 16-inch General Purpose Economy Both

- - - - -

Stop in today — we'll arrange a free demonsta



Elizabethlow Farmers Supply, Elizabethiown Phone EM 71341

Haverstick Bros. Columbia Pike, Lancaster Phone EX 2 5722

Conestoga Farm Service Park Ave., Quarry Phone ST 6 259

Sauder Bros. New Holland Phone EL 4-8721

Allen H. Ma Denver Phone AN 7.55