

Agriculture

Effects of using herbicides to control Johnsongrass in soybeans

This is the final article of the series on Johnsongrass identification and control. This week I will discuss Johnsongrass control in soybeans.

There are two programs a farmer should consider for Johnsongrass control in soybeans.

The first control method involves the use of Roundup to control Johnsongrass rhizomes. Where this is the program the farmer chooses, planting will have to be delayed.

During the fall, winter and early spring prior to planting, the soil should not be tilled. When the Johnsongrass in the undisturbed soil begins to seed out, two quarts of Roundup should be applied from a boom at a sufficient height to obtain good coverage of the Johnsongrass tops.

This treatment will kill over 90 percent of the rhizome Johnsongrass. Seven to ten days later the soil can be chiseled, disked and bedded.

Either Treflan, Prowl, Tolban or Basalin should be used for Johnsongrass seedling control. These dinitroaniline herbicides should be incorporated soon after application using one of the methods of incorporation we discussed last week.

Cultivation should be used to control any Johnsongrass seedlings escaping from the herbicide.



Farming The Flatlands



north carolina AGRICULTURAL EXTENSION SERVICE
By Bill Jester Extension Chairman

The second control program involves the use of preplant-incorporated herbicides to suppress rhizome and seedling Johnsongrass.

The tillage program should include fall, winter and spring chiseling and disking. This serves to bring rhizomes to the top and cut them into small pieces. The land should be bedded prior to planting and the rows "knocked off."

A double rate of Treflan (two to four pints per acre) or Tolban (three to six pints per acre), or a single rate of Treflan + Vernam (one to two pints per acre) and (two and four-tenths to three pints) should be used.

These chemicals should be thoroughly incorporated into the soil immediately after application using

one of the methods discussed last week.

If you are planting flat, double disking at right angles provides good incorporation results.

In areas where a two times rate of Treflan is used, the program should be repeated for two years and a tolerant crop such as soybeans or cotton should be planted.

Where Tolban or Treflan + Vernam is used, rotation to corn is possible. Be sure to use Sutan + or Eradicane in your corn.

The above herbicide at the rates mentioned will often injure soybeans if the soils are cold and wet. To reduce this possibility, plant Johnsongrass infested fields last.

Cultivate to destroy developing seedlings and rhizome Johnsongrass. Roundup applied with a wick applicator may be used to control escaped Johnsongrass growing above the soybean canopy.

In all cases, narrow row soybeans help maximize the competition during the season. Double streaked soybeans on a conventional width row will work very well.

Narrow rows are essential in the first program for maximum results.

A rope wick applicator and Roundup are valuable in controlling seedling and rhizome Johnsongrass



County Agricultural Extension Chairman Bill Jester conducts the farm tour last

Thursday of extension crop tests in the county. Here he describes a test at Donald

Ray Stalling's farm in Whiteston.

which escapes other control methods. It cannot replace a total control program.

Control Johnsongrass in adjacent non-cropland areas. These plants can provide seed for infesting the crops in the area.

My advice is to attack your

Johnsongrass problem as if it were a life and death situation. A serious Johnsongrass problem can signal an end to profitable corn and soybeans on a farm.

If you take the knowledge in the previous articles and apply it, you can reduce Johnsongrass to an in-

significant level on your farm.

Don't expect the Johnsongrass to completely disappear in one, two or even three years. It will take hard work and persistence to lick this pest, but if you stick with it, things will improve. If you don't, the problem can only get worse.

Perquimans Gardening



By Jean Winslow

The Bird Lady gave me three lotus seeds the other day which she had kept frozen to aid germination.

I was getting ready to go to the beach, and I put those seeds in something so I could start growing them while being gone. '61, I'm here at Nags Head and I can't find them for the life of me.

However, since I've done the research for care and feeding thereof, let me tell you some of the things I found out.

Nelumbo, or lotus, is in the waterlily family. It is a water plant, as you know, with large rhizomes, or underground stems.

One, a yellow variety, is native to this country, according to the Encyclopedia of Gardening. The East Indian lotus is a fragrant pink with flattish seed pods that are so popular in flower arrangements.

Susan Gilbert, in her article "Keeping Your Head Above Water," traces the rich history of symbolism surrounding water lilies and lotuses.

They figure in the Hindu myth of creation: a giant flood swept all life away, leaving only Om, the Supreme Being, and a sacred lotus that sprang from his navel.

When the great flower opened above the expanse of water, in the middle reclined Brahma. He

recreated the universe from the lotus.

In Egypt a water lily often mistaken for a lotus grew wild along the banks of the Nile. It represented fertility and regeneration.

East Indian lotus bloom in July and August. What we see here, when we're lucky (we have mostly water lilies), are a beautiful light yellow with flowers and stems rising as much as two feet above the surface of the water.

These also bloom in July and August. They are easily naturalized in our zone 8. The water lilies we live with are usually the pond lily, or Nymphaea odorata, which grows wild from Florida to Michigan.

Its flowers open in the forenoon for three days. Lotus leaves are round; water lily leaves are generally heart-shaped.

Water lilies and lotuses are not recommended for small pools. They tend to take over with alacrity.

At least four catalogs listed by "Horticulture Magazine," though, feature some dwarf varieties that will flourish here if your pool is at least two feet deep. Otherwise, you must treat them as annuals.

The nurseries are listed below.
•Lilypons Gardens, Lilypons, Mo. 21717 (catalog \$2).
•Slocum Water Gardens, 1101

Cypress Gardens Road, Winter Haven, Fla. 33880 (catalog \$1).

•Wm. Tricker, Inc., 74 Allendale Ave., Saddle River, N.J. 07458 (catalog \$1).

•Van Ness Water Gardens, 2460 N. Euclid Ave., Upland, Cal. 91786.

Want to try some? All right. Pot up your seed on moist soil in a clay pot and keep watered. Or you could put the seeds inside a ball of clay and set them in your pond. That's what I'd do — if I could find my seeds.

Nurseries will usually send you rhizomes. These should be planted, preferably in the spring, in tubs (not redwood) containing highly fertile seed with some fibre in it. Cover the surface with sand or gravel to prevent the soil from slipping away.

There's very little to do about caring for lotuses. Keep free of debris and remove old flowers and leaves.

Supplying the pool with fish aerating plants will provide a balanced ecosystem in that some tropical fish will clear the water of algae, goldfish will eat mosquito larvae and plants will provide oxygen.

Let me know how you come out. If you have any extra seeds, I'd like to try it myself. In the meantime, I'll check my jewelry box. Suitcase. Trunk of the car...

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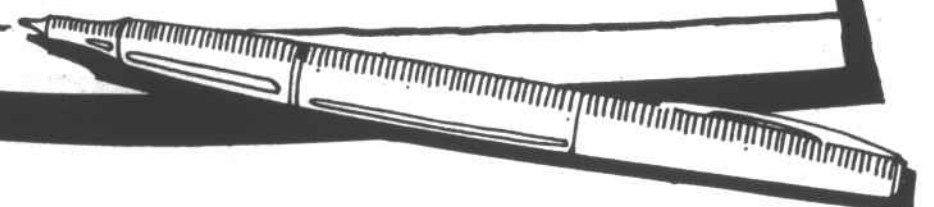
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CLASSIFIED cont. from page 10

LEGALS

NORTH CAROLINA PERQUIMANS COUNTY IN THE GENERAL COURT OF JUSTICE SUPERIOR COURT DIVISION CLERK OF COURT NOTICE OF SALE IN THE MATTER OF: Foreclosure of a Deed of Trust executed by Vernon Lee Brabble

LEGALS

and wife, Margaret A. Brabble, dated February 16, 1981, and recorded in Book 94, Page 786, in the Office of the Register of Deeds of Perquimans County, North Carolina, by Arthur E. Cockrell, Trustee Under and by virtue of the power and authority contained in that certain Deed of Trust executed and delivered by Vernon Lee Brabble and wife, Margaret A. Brabble, dated February 16, 1981, and recorded in the Office of the Register of Deeds for Perquimans County, North Carolina, in Book 94, Page 786, and because of default in the payment of the indebtedness thereby secured and failure to carry out and perform the stipulations and agreements therein contained and pursuant to the demand of the owner and holder of the indebtedness secured by said Deed of Trust, and pursuant to the Order of the Clerk of Superior Court for Perquimans County, North Carolina, entered in this foreclosure proceeding, the undersigned, Arthur

LEGALS

E. Cockrell, Trustee, will expose for sale at public auction on the 3rd day of September, 1982, at 12:00 noon on the steps of the Perquimans County Courthouse, Hertford, North Carolina, the following described real property, lying and being in Bethel Township, Perquimans County, North Carolina, and more specifically described as follows: Lot No. 60, Section J of Snug Harbor Beach, as shown a plat of Snug Harbor Beach, recorded in the Public Registry of Perquimans County, North Carolina in Plat Book 4, Page 135. For further description and chain of title see deed recorded in Book 84, Page 384 in the office of the Register of Deeds of Perquimans County, North Carolina. Reference is made to that deed from Kerry J. Meekins and wife, Kathleen Meekins to Vernon Lee Brabble and wife, Margaret A. Brabble dated June 20, 1980, of record in the office of the Perquimans County Register of Deeds.

Together with all and singular the tenements, hereditaments, buildings, structures and other improvements, fixtures, equipment, minerals, emblements, other articles of personal property, and to the remainders, rents, issues, and profits of the grantor or, in, and to the same and every part and parcel thereof and located thereon or used in connection with the operation and

LEGALS

maintenance of the improvements situate thereon.

The sale will be made subject to all prior liens, unpaid taxes, restrictions and easements of record, and assessments, if any.

The record owners of the above described real property as reflected on the records of the Perquimans County Register of Deeds not more than ten (10) days prior to the posting of this notice are VERNON LEE BRABBLE and wife, MARGARET A. BRABBLE.

Pursuant to North Carolina General Statute Section 45-21.10 (b), and the terms of the Deed of Trust, any successful bidder may be required to deposit with the Trustee immediately upon conclusion of the sale a cash deposit of ten (10) percent of the bid up to and including \$1,000.00 plus five (5) percent of an excess over \$1,000.00. Any successful bidder shall be required to tender the full balance purchase price so bid in cash or certified check at the time the Trustee tenders to him a deed for the property or attempts to tender such deed, and should said bidder fail to pay the full balance purchase price so bid at that time, he shall remain liable on his bid as provided for in North Carolina General Statute Section 45-21.30 (d) and (e).

This sale will be held open ten (10) days for upset bids as required by law.

This the 5th day of August, 1982. Arthur E. Cockrell, Trustee Hutchins, Cockrell and Neumann,

P. O. Drawer 1085 Plymouth, N.C. 27962 August 19, 82

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