

Growers Get Better At Controlling Pests

By Ellery Knake
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Pest management consultants are a new breed of experts. They have the specialized knowledge, skill and experience to make Total Farm Weed Control an integral part of pest management.

Today's grower is doing a more effective job controlling his weeds, insects, and diseases, because of the tremendous strides we have made in research and technology in recent years. However, selecting the best controls for his specific problems and applying them at the optimum rates and optimum time requires more precise decision-making than ever.

Some growers still apply the wrong herbicide or insecticide and use rates that are too low or too high. Better growers, however, are taking full advantage of university research and professional advice by using best methods for each situation. And they're not

limiting their weed control to the major row crops, either. Many of them are controlling weeds on a total farm basis.

The new concept stresses rotation of crops and herbicides and features combinations of herbicides for broad spectrum control. The advantages are obvious. One herbicide, for example, may give good control of the grass weeds. Another can improve control of such broadleaf weeds as smartweed, cocklebur, jimsonweed, velvetleaf, and ragweed.

Research at the University of Illinois has shown that by controlling weeds in all areas of the farm, we can effectively decrease the number of weed seeds in the soil. This makes weed control easier and less costly. But it also requires a higher degree of management skill.

We are rapidly moving into a new era in which growers are obtaining specialized help in making difficult decisions on pest control. Agri-fieldmen, or pest management con-

sultants as they are often called, are a "new breed" of experts. They are already established in states like California and Mississippi where growers must minimize risks on high profit crops. The concept is gradually developing in other areas.

Consultants may operate in a variety of ways. Some enterprising individuals will be in business for themselves. Some may work for a growers' organization. Some may scout the fields themselves to identify problems. Others may have a special team of scouts and then concentrate on "recommendations" based on what the scouts find.

Universities are gearing up to provide special curricula in pest management so that individuals will be knowledgeable in identification and control of all types of pests - weeds, insects, and diseases. The consultant also needs to understand his soils, such as texture and organic matter. He may also provide soil tests and fertilizer recommendations. In some areas he might aid with irrigation decisions.

Who pays for the service? The grower benefits so he's the one who pays. But isn't this a rather intangible service? In a way it is. It's a lot like that Dairy Herd Improvement Association or Farm Management Services. It's a service to help the grower increase the precision of his management decisions and make his business more profitable.

Human nature being what it is, some growers will readily spend \$10 on a tangible product in a bag whether they really need it or not. But they hesitate to pay for a more intangible service. It will take some pencil work and motivation to get some growers to spend a couple of dollars per acre, but that's part of the challenge!

Precision is the name of the game. By scouting and monitoring fields, a specialist can predict with a fair degree of accuracy whether or not he will have certain insects and when. If

he can be fairly sure of no corn root worms, for example, he can save his clients many dollars by not applying an insecticide.

A pest management consultant knows the texture and organic matter level of the soil and the nature of the specific weed problems; he can recommend a weed control program with precision. This can help assure effective and economical control - using what is actually needed - no more, no less.

But why can't the grower do his own scouting and determine what pesticides to use? Some can, but it takes training, know-how and time - valuable time. A person with specialized knowledge, skill, and experience can usually do a given job with greater precision. That's why a doctor removes your appendix, a mechanic overhauls your engine, and a lawyer makes out your will.

We're living in an age of specialization. And with the wide array of pests and controls, this is a specialized business.

Some dealers or custom applicators are adequately providing complete pest control services for their clients. And many will continue to do so. But some dealers will prefer to have their customers consult a specialist first - similar to the doctor-pharmacist relationship.

Some custom applicators can adequately advise on general needs. But some prefer to concentrate on application after a specialist determines the specific needs. This will help assure greater success and fewer complaints.

Why has the Environmental Protection Agency shown so much interest in pest management? The answer is that they, too, like to encourage precision - to use the pesticides you actually need and not introduce excess amounts into the environment.

Pilot programs are established and are at various stages of development. An increasing number of individuals with foresight and initiative visualize the opportunities and are filling

the void.
Ellery I. Knake, professor of agronomy and weed control specialist at the University of Illinois, served as president of the Weed Science Society of America during 1974. He is a member of the American Society of Agronomy.

PUBLIC AUCTION

(CONSIGNMENTS WELCOME)

FRIDAY, MARCH 21, 1975

AT 9:30 A.M.

50 Farm Tractors, 200 Pieces of Farm Equipment, 50 Pieces of Industrial Equipment.

Excellent Selection.

Dealers & Farmers: You are urged to bring any consignments you might have to our sale and you are also welcome as a buyer.

Sale Held Rain or Shine.

Make your arrangements now to come to our sale - you will be glad you did.

Refreshments on Sale Site.

Sale conducted by and located at:

WENGER'S FARM MACHINERY INC.

South Race St., Myerstown, PA 17067
Phone 717-866-2138 days or 717-866-7147 nights Just off Route 422 and Route 501 in Myerstown.

Sales Manager,
Lloyd Wenger

Auctioneers,
Blaine Rentzel
Paul Z. Martin

PUBLIC SALE

SATURDAY, MARCH 22, 1975

9:30 A.M.

To Be Held at Redding Auction Service located 3 miles North of Gettysburg on Route 34.

EQUIPMENT

Int. No. 86' Flail Chopper; Int. No. 2-A Hay Crusher; Grove Forage Wagon w-8 Ton Chassis; New Holland Baler w-Wisc. Engine; New Idea Rake; Grove Wagon w-Flat; Dearborn 2 1/2" Plow 3 Pt.; 8' Pull Type Disc; 8' Dbl. Roll Cultipacker; Dearborn Grain Drill - 13 Disc.; Spike Harrow; New Idea 10' Fertilizer Spreader; Stockland 3 Pt. Scoop; J.D. 14-T Baler w-No 2 Injector; Tyler 4 Ton Fertilizer Spreader; Int. 2 1/4" Plow; Tractor Harrow; Disc.; Cultivators; 7' Mower (All Fast Hitch); Int. Hay Rake; M.M. 17 Disc. Grain Drill; Int. 2 1/2" Trailer Plow; New Holland 69 Baler w-Thrower; Grove Wagons w-Bale Racks; Int. Wagon Chassis; 9' Cultimulcher; J.D. Spreader; 3 Pt. Weeder; 24' Harvest Handler on Transport Wheels w-Motor; Plow Harrow; Dearborn 3 Pt. Blade; Ground Scoop; 2 Axle Low Boy Trailer w-8 Ply Tires; New Idea Flail Chopper; Cobey 2 Wheel Forage Wagon; N.H. Bale Shredder w-1 H.P. Motor; McKee Snowlander 7' w-Dbl. Auger; Int. Loader w-Hyd. Bkt.; Oliver 3 1/2" Pull Type Plows; J.D. 2 1/2" Pull Type Plows; J.D. Man. Ldr. w-Bkt. & Blade; J.D. 12-A Combine w-Tank; Blizzard Ensilage Cutter; J.D. Hay Fluffer; 3 Pt. Rotary Hoe; Int. 1 Row Corn Binder; Int. Ensilage Cutter; J.D. 490 4 Row Corn Planter; A.C. 60 Combine; J.D. 10 1/2" Disc.; Int. Disc; Field Sprayer w-Pump; J.D. Hay Crusher; Hammer Mill; Cultipacker; Rotary Mowers 3 Pt. & Pull Type; A.C. Corn Planter 6 30" Rows.

POWER EQUIPMENT

1973 Ford F-100 Pickup 302 Automatic Trans. - 16,500 Miles - 2 Tone (Excellent Cond.) 1962 Int. Scout-Positive Traction w-Int. 6 1/2' Angle Blade; Int. 856 Diesel - Wide Front 3 Pt. Dual Hyd. 540 or 1000 Shaft w-Cab; Oliver 1365 Diesel - Wide Front - Fully Equipped - 140 Hrs. (Excellent Cond.); J.D. A w-Roll Matic; Int. 240 Fast Hitch; J.D. R Diesel (Good Cond. & Rubber) Ford 8-N Tractor 4 Speed w-Swanee Ldr. Hyd. Bkt.; Int. TD-9 Crawler; A.C. WD-45.

Wright Power Saws; Homelite EZ 250 Automatic; Snow Blower; Garden Tractors w-Attachments; Lawn Mowers.

MISCELLANEOUS

Foley Model 320 Automatic Retooler; Foley Model 361 Automatic Filer & Joiner; Foley Model 352 Automatic Power Setter; Oliver Model 562 Brazer w-Ban Saw; Circular Saw Hand Setter; Dbl. Bench Grinder; New Idea Corn Sheller w-Motor; Roller Mill; Hance Grain Cleaner; Fuel Tanks; Lawn Windmill; Elec. Golf Cart; Brock 6 Ton Bulk Bin; 7' Locust Posts; 30" Camper Top w-Pickup; Fairbanks 3 H.P. Engine; 2 Horse Wagons.

GARAGE EQUIPMENT

Jack Stands; Bench Grinders; King Tuning Mach. Snap-On AVR Tester (New); Stant Radiator Tester; Snap-On Compression Tester; Hunter Spin Balancer; Ausco 1 1/2 Ton Front End Jack; Electrical System Tester; Floor Jacks; Heavy Duty Battery Charger; Cpt. Acetylene Welding Outfit; Metal Storage Bins; Motor Hoist; Creepers; Oil Drums.

Auctioneer's Note: Most equipment in this sale is locally owned and in good to excellent condition. This is a partial listing - more equipment will be coming Machinery will be accepted until Sale Time

C. David Redding, Auctioneer
Gettysburg, PA - Phone 334-6941

12TH ANNUAL PUBLIC SALE

ROUTE 100, EAGLE, PA. EXIT 23, PA. TURNPIKE, 3 MILES NORTH OF PA. TURNPIKE.

FRIDAY, MARCH 28, 1975

10:00 A.M. SHARP

25 TRACTORS

OLIVER - 1950T, 1850D, 1650D, 1655D (320 hrs.) 550G Ind. Loader, Super 88D, Int. 300A Cub. Ford 8N, J.D. 40.

N.H. 985 Combine, 3-Row Head Cutterbar, 3 - Oliver 4 & 6 Bottom Automatic Reset Plows, 10-3 Point 2 & 3 Bottom Plows

(NEW) Glencoe Soilsaver, KB 60 Kool Blower, 4-Wagons, Stone Rakes, 3 Point Disc Ford 6 Row Cultivator, 2-Oliver Disc Harrows, 4-Used Flail & Rotor Mower, J.D. 4-Row Planter, 10-Disc Harrows, Oliver 10-4, 11-6 & 16'.

2 - Used Riding Tractors & Mowers.

A lot more items that will be coming in for consignment. Send for full listing.

All Garden Equipment sold last

Lunch Served by Local Church

TERMS:

EAGLE MACHINERY CO.

UWCHLAND, P.O. PA 19480
215-458-5326

PUBLIC SALE

SAT., MARCH 22, 1975

at 10:30 A.M.

Located approx. 2 miles southwest of Red Lion, Pa. off Rt. 24 along Sinclair Road.

FARM MACHINERY, HOGS & TRUCK

Ford Model 601 Workmaster tractor with original rubber, in fine cond.; J.D. 520 tractor in find cond.; J.D. ensilage blower on rubber with pipe; 3 pt. Oliver 2 - 14" trip bottom plow; Ford 6 ft. 3 pt. hook mower; 3 pt. J.D. 2 row corn planter; J.D. manure spreader; 3 pt. hook disc harrow; 3 section spring tooth harrow; David Bradley wagon with McCurdy grain box; 2 row Ford cultivators; J.D. side delivery rake; 3 pt. weed sprayer; J.D. 10 hoe grain drill; Cardinal alum. grain elevator; Int. cylinder corn sheller with bagger; Clipper seed cleaner; platform scales; bag truck; corn sheller; 32 ft. ext. ladder; log chains; alum. shovels; forks; tools; Homelite chain saw; PTO tractor; clover seed sower; 9 H.P. portable generator; Simplicity walk behind garden tractor with cultivator & sickle mower attach.; chicken feeders & fountains; leg vise; iron hog troughs; pig heat lamps; feed boxes; lumber; tin; rat wire; Many items too numerous to mention.

Brood sow & pigs; 1 sow due to farrow soon; 3 young open gilts; 1 young service age boar.

1967 Chevrolet 1/2 ton pickup truck with 24,000 miles; 6 cyl.; 6 ft. bed & racks; in very fine condition.

BUTCHERING TOOLS, ANTIQUES, & HOUSEHOLD GOODS

2 iron butcher kettles with 3 feet; kettle stirrers; lard press & sausage stuffer; meat grinder; meat saw; asst. butcher knives & tools; over 20 crocks, all sizes; tubs; buckets; copper apple butter kettle; jugs; 3 ft. gypsy pot; brass cow bell; lanterns; milk cans; 2 grindstones; barrels; pulleys; single trees; block & tackles; bench; oval drop leaf table; Prizer cook stove; 2 oak beds; 6 oak kitchen chairs; high chair; sm. coal oil heater; Motorola TV; 2 small cabinets; lawn chairs; some dishes; griddle; flat irons; scales; wooden wheel barrow; many, many items too numerous to mention.

Sale order: farm machinery, butchering tools & antiques last.

Terms: cash

Ross Sinclair

RD4
Red Lion, Pa.

Robert L. Sechrist, auctioneer

Ph. 382-4379

John Hope Anderson, clerk

Not responsible for accidents
Lunch available