

the

GREENER SIDE

Vol. 5 No. 3

THE 1981 & 1982 GCSAA AWARD WINNER

July 1982

DATES TO REMEMBER

July 29, 1982

Forest Hill Field Club, Bloomfield, N.J. Jeff Wetterling, Host

August 5, 1982

Rutgers Turf Grass Research Field Day, Host Farm II, Ryder's Lane, North Brunswick, N.J.

August 11 & 12, 1982

Penn State Field Day, Joseph Valentine Memorial Turfgrass Research Center, University Park, PA.

August 15, 1982

Greener Side Information Deadline (Editor's Note: It's really hard to believe that absolutely nothing happens in some of our districts)

August 25, 1982

Copper Hill Golf Club, Flemington, N.J. John Fenwick, Host

September 16, 1982

GCSANJ Championship, Spring Lake Golf Club, Spring Lake, New Jersey. Walt Will Host

September 30, 1982

Met Area Team Championship, Ridgewood Country Club, Paramus, New Jersey. Ed Walsh, CGCS, Host

October 5, 1982

Field Day - Rutgers University

October 8, 1982

GCSANJ Fifth Annual Invitational Tournament, Somerset Hills Country Club, Bernardsville, N.J. Les Stout, Host

December 6-9, 1982

New Jersey Turfgrass Expo '82, Resorts International, Atlantic City, N.J.

September 1983

GCSANJ Sixth Annual Invitational Tournament, Essex County C.C. John Schoeliner, Host

The New Golf Code

The Following Rules were Developed to Accommodate Such Outstanding Players as Martin, Cameron, Bergen and Will

With apologies to The U.S.G.A., the people we stole this from (hoping it wasn't copyrighted) and The Royal & Ancient, we offer some rules to make the game a little easier.

1. A ball sliced or hooked into the rough shall be lifted and placed in the fairway at a point equal to the distance it carried into the rough. It is hardly fair to penalize the player for erratic flight of the ball.

2. A ball hitting a tree shall be deemed not to have hit a tree. Hitting a tree is controvertibly bad luck, a phenomenon which obviously has no place in a scientific game. The player should estimate the distance the ball would have traveled under reasonable circumstances and play the ball from that point, preferably from a nice tuft of grass.

3. There shall be no such thing as a lost ball. The missing ball will eventually be found and pocketed by some other player, in which case it becomes a stolen ball. There is no penalty for a stolen ball.

4. There shall be no out-of-bounds. Such boundaries are set only because of space limitations. Any golf course could be enlarged if sufficient funds were available. This makes the limits of the course economic discrimination, which has no place in a great country like the United States. Any ball going beyond these artificial, discriminatory boundaries may be placed in the fairway at a point the player feels it would have come to rest.

5. Should the player be distracted in any way, resulting in a poorly played shot, the player may take the stroke over again without penalty. Such disturbances as birds chirping, a sudden gust of wind or a competitor's breathing shall be deemed a major distraction. The player shall be the sole judge as to when such a distraction may occur.

6. Line of Flight Relief: Golfers should be given an unobstructed shot to the green. Any ball which has a tree, shrub or bunker between it and the green may be moved to a spot where the obstructions will not hinder the next shot.

7. Hazards: Bunkers and the like are diabolical as well as abnormal parts of the golf course. Every effort should be made to eliminate them from course construction. If God intended courses to have sand traps, He would have had the Arabs invent the game instead of the Scots. Should you play on a course where backward thinking allows hazards to still exist, just pretend they are not there, moving the ball that comes to rest in a hazard two club lengths from the hazard in the fairway.

8. Handicaps: Golfers who play only occasionally have enough of a handicap just trying to hit the ball. Therefore, he can determine his own handicap. The handicap can vary from round to round, depending on such outside agencies as headaches, sore back, etc. In no case, however, shall a handicap be increased after negotiations on the first tee.

9. Designated Hitters: In a forward move, baseball (American League) now allows a designated hitter who is not required to do anything else. A golfer may call upon his partner, caddie or his professional to hit designated shots which may be troublesome.

10. Advice: A player may seek advice from anyone on the course, or those driving by in a car. Such advice may be necessary when there is a question as to how a putt will break, yardage to the hole or what club to use. Replies from opponents like, "Up yours with a mashie" will be deemed poor advice and should be disregarded.

11. Mulligans: There is no place in the game of golf for Mulligans. With these rules, Mulligans are not needed anyway.

12. If a putt passes over the hole without dropping in, it shall be deemed to have dropped. The law of gravity takes precedence over the law of golf.

13. A putt which stops close enough to the cup to inspire such comments as "You could blow it in" may be blown in. The rule does not apply if the ball is more than three inches from the hole. We have no wish to make a travesty of the game.

the GREENER SIDE

GCSANJ Newsletter is published six times a year by the Golf Course Superintendents Association of New Jersey, P.O. Box 231, New Brunswick, N.J. 08903.

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President's Message

Ed Nickelsen



An editorial in a recent issue of the Kentuckiana GCSA newsletter by Pete Miller brought up the issue of putting green speed and the constant pressure to increase the speed. Comments by the press media and peer pressure tend to lead us in a never ending race for the tightest and fastest turf possible.

Jack Nicklaus' comment that Augusta National is now playing the way Bobby Jones meant it to be, is completely erroneous. That course was designed and built to the standards in existence during that era. Maybe the true test of Augusta's excellence is that its design has survived the present standards for glass surfaced greens.

The demand for speed has forced many an older golf club into rebuilding greens that became totally unfair when the speed increased. This brings us to a point long recognized by the U.S.G.A. Standards and rules have been established to first, preserve the integrity of the game, and, second, preserve the venue of the game.

Manufacturers can design and build clubs and balls to do amazing things, but we would then have a game of technology, not skill. Par would be meaningless. It would be relative only to a given moment in the state of equipment development. A ball capable of being driven 400 yards would certainly change par, but would soon be replaced by the 450 yard ball and a new par. As one can see the game would be destroyed.

Are we not doing the same thing by constantly increasing the speed of the playing surface? Right now the variable speed extremes can destroy the true nature of the game. As mentioned, many greens have been rendered unfair and must be rebuilt. We may be capable of producing greens so fast they would have to be dead level to keep a ball on them. One rather large single pocket pool table.

When Edward S. Stimpson pondered the problem of green speed, he wanted, not only a means of accurate measurement, but the ability to set a standard for play throughout the country. One can play pool on any table in the country using the same stroke, but every golf course requires an adjustment which can be detrimental to a player's true ability.

Now maybe it's time for the U.S.G.A. to develop a set of standards for the playing surface. A reasonable and economically maintainable standard would preserve the playability of today's golf courses, provide for more uniform playing conditions and allow for the design of golf courses to remain based on player ability rather than turf maintenance standards. We, in turn, would have a set of standards through

Continued on page 6

From the Editor's Desk



Almost all professions have or have tried to develop a program that would recognize its top people. Some even insist a member attain that status before they practice their profession.

A number of years ago the GCSAA initiated a certification program that they thought would help us do the same in the golf course management profession. At the time our program was developed, it was accepted as a good starting point. We all felt it had merit and with continued improvement could in fact develop into a program that would help recognize the very best of our industry.

The program did develop as more and more GCSAA members became involved. The future looked good and many skeptics were abandoning their initial feeling and started looking at certification as a means of personal and professional growth. The late 1970's saw the program grow and develop and most of us involved looking toward the 80's as the turning point toward total professional recognition. Were we ever wrong. Just when certification was growing in status all efforts were stopped. For the better part of two years, no improvements were made. The skeptics were having a field day.

I know job responsibilities must come before association responsibilities but somebody has got to be the backup. When a chairman can't or doesn't fulfill his position's requirements, the association must step in and assist or replace that person.

I still feel the certification program has a future in our professional association but the present GCSAA Board of Directors must take a hard and realistic look at its present condition and make it a top priority if it is to survive. I want to be proud to call myself a certified golf course superintendent but not if all it means is wearing a yellow ribbon during the convention and carrying another identification card. If we aren't going to improve it, do the next best thing and abandon it completely. Only a program to recognize the very best this profession has to offer is worth the effort.

— Real joy comes not from ease or riches or from praise of men, but from doing something worthwhile.

MEET OUR PATRONS



Rees Jones

Rees Jones has been involved in the design and construction of some 60 golf courses since entering the field of golf course architecture in 1965. He established his own firm, Rees Jones, Inc., with offices in Montclair, N.J., in 1974, after spending the first ten years of his career as a principal in Robert Trent Jones, Inc., where he was responsible for the east coast office operations. Rees is the son of Ione and Robert Trent Jones.

Rees has designed some of the noteworthy golf courses in the United States, including Inverrary Golf and Country Club, Lauderhill, Fla., site of the Jackie Gleason Inverrary Golf Classic; Arcadian Shores Golf Club, Myrtle Beach, S.C., which opened in 1974 and has been selected as one of "America's 100 Greatest Golf Courses" since 1975; Turnberry Isle Country Club, North Miami, Florida, site of the Annual PGA Seniors Championship and the Elizabeth Arden Classic, an LPGA event; and Ferncroft Country Club, Danvers, Mass., site of the Boston Five LPGA Tournament.

In 1974, the Urban Land Institute, Washington, D.C., published a 105 page book authored by Rees Jones entitled *Golf Course Developments*. The book has been used extensively as a guide for real estate developers to assist them in understanding the subtleties and complexities of golf course development. In 1978 he served as the 33rd president of the American Society of Golf Course Architects. He was the youngest person to ever hold this post.

Recent courses of Rees Jones' design which were completed in 1980 include the Bear Creek Golf Club, Hilton Head Island, South Carolina; Gator Hole Golf Course, North Myrtle Beach, South Carolina; Griffin Gate Golf Course (Marriot Hotel),

Continued on Page 5

Ask: Willet Wilt



It has been noted by the staff of the Greener Side that Willet Wilt has no visible means of support, therefore, we are going to permit Mr. Wilt to write another column so he has something to put in his resume.

* * *

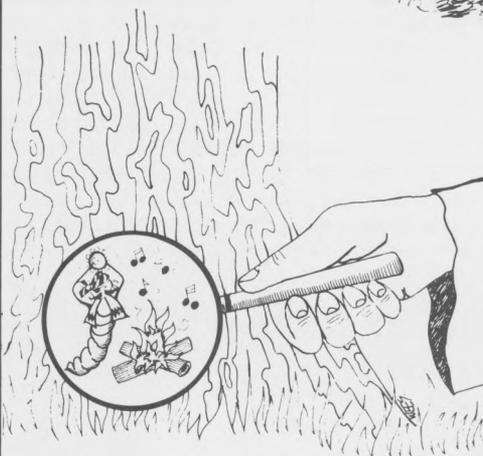
Q: My tees have been damaged by the *Ataenius spretulus* in the past. Is there any way I can avoid this problem this year? C.D., Green Creek, N.J.

A: The *Ataenius spretulus* is also referred to as the dung beetle. This is because it has been known to overwinter in cow manure. Therefore, the best way to avoid having the dung beetle damage your tees is to keep the cows off of them. W.W.

A: You have to represent your case, but this year instead of asking the Greens Committee to let you narrow the fairways, ask them if they will let you widen the rough. W.W.

Q: One of my greens is in horrible shape. There is a thick layer of thatch through which water and air cannot penetrate. It seems to be choking. Do you think I should verti-cut the green or what? J.M., Pt. Pleasant Beach, N.J.

A: Your problem is not with your green. It is with your collar. It is obviously too tight and therefore it is choking your green. W.W.



Q: All of my hardwood trees were defoliated this spring. Could this have been done by the dreaded gypsy moths? B.C., Juliustown, N.J.

A: The only way to find out is by inspection, which can be done very easily. One must get down around the base of the tree and look for microscopic tambourines and very small campfires. W.W.

Willet Wilt's newest book will be hot off the presses soon. The title is *Disease and Insect Control on Artificial Turf*. The hardbound copy will cost \$27.95 and the paperback copy will cost \$12.95. It is a very limited edition, so reserve your copies soon.

If you have a question of Mr. Wilt, please send it to: Willet Wilt, c-o the GCSANJ Greener Side, Box 231, New Brunswick, N.J. 08903.

Q: Last year I requested the Greens Committee at my club to let me narrow our fairways and they refused to let me do it. What would you suggest I do this year? J.S., Jersey City, N.J.



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Golf Committee Report

The following are the results of the Two Man Best Ball golf tournament held at Emerson C.C. on May 21, 1982.

Low Gross: Ange Petraglia-Mike Hocko 73
Low Net: Harvey Dreibelbis-Rod Schoellner 63

2nd place: Bob Ribbans-Wayne Foster 64

3rd place: Les Stout-Jeff Wetterling 65

4th place: Wayne Ballinger-John Fenwick 68

5th place: John Schoellner-Art Scott 68

Longest Drive: Shaun Barry

Closest to the Pin: Fran Berdine

The next tournament will be at the July meeting at Forest Hill Field Club. This will be the District Team Championships. The district directors shall choose a foursome to represent each district in the state. It would also be advisable to pick one or two alternates. To be eligible for the team you must be a member of the GCSANJ (any classification) and be from the district that you represent. The winners will be determined by the total gross scores. Kickers will be available to all golfers. If you are interested in playing for your district please contact your district director.

Wayne Ballinger-Golf Committee Chairman

Answers from Page 5

Answers to "What's In The Bag": 1&E, 2&C, 3&F, 4&G, 5&B, 6&I, 7&H, 8&A, 9&D.

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Water Supply Allocation Permits

The Water Supply Management Act, Senate Bill 1611 and 1613 passed by the Senate and General Assembly of the State of New Jersey and signed by then Governor Byrne on August 13, 1981 requires the Department of Environmental Protection to establish procedures for obtaining water allocation permits and to charge fees for the permits. Permits must be obtained by persons diverting 100,000 gallons per day for non-agricultural or non-horticultural use.

Golf courses are classified as non-agricultural or non-horticultural users. The reasons for these classifications are not clear. The non-agricultural fee schedules are much higher than agricultural fee schedules. The underlying concern for golf course superintendents is that this classification will be used during a drought crisis and we will be the first industry singled out for restriction, as a "non-essential user." We know that during a drought crisis that the water supply should be distributed proportionally and fairly but we also know that in the past the golf courses have suffered from the restrictions.

The proposed new rules for water allocation permits will require golf courses who divert an average of 100,000 gallons per

day over a 31-day monthly period to obtain a water allocation permit. This diversion is for a surface or groundwater supply. Simply, if you divert 3.1 million gallons during any one month you must obtain a permit. It is advisable to acquire a permit if you are close to the permit parameters (a favorite DEP word) for future use. The DEP will require every person who diverts from a surface or groundwater supply to meter the diversion.

Permitees are divided into four classes. Golf courses generally are in Class 1 - 0.1 mgd (100,000 gallons per day) to less than 0.5 mgd (500,000 gpd) and Class 2 - 0.5 mgd (500,000 gpd) to less than 1.0 mgd (1,000,000 gpd).

The fee schedules have been proposed and published and are available from your County Agent. There are three types of fees: an initial fee for new permits which cost from \$500-\$1245; renewal permits that range from \$250-\$625; annual fees are from \$500-\$1245. The range of fees varies greatly because of administrative and hearing costs. The DEP is saying that permits will have to be renewed every five years.

The fee schedule, once it is adopted, will be effective July 1, 1982.

— Jim Gilligan, 6-22-82

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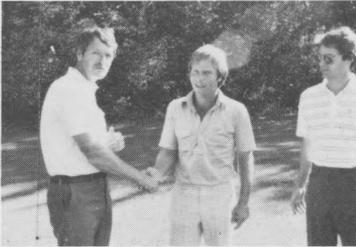
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What's in the Bag?

The following are common chemicals used in the commercial pesticide market. Can you associate the common name with the actual chemical(s) in the bag?

- 1) Actidione RZ
- 2) Bromosan
- 3) PreSan
- 4) Actidione Thiram
- 5) Dymet
- 6) 505 K
- 7) Methar 30
- 8) Tersan LSR
- 9) Duosan

- A) Maneb
- B) Diazinon & Methoxychlor
- C) Thiram & 3336 systemic
- D) Maneb & Topsin M systemic
- E) Cycloheximide (TGF) & PCNB
- F) Betasan
- G) Cycloheximide (TGF) & Thiram
- H) DSMA
- I) Methoxychlor & Malathion & Kelthane



Yours Truly and R.C.C. Golf Pro, Bill Adams, welcome Ben Crenshaw on recent visit to R.C.C.

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Dan Felix, Montclair C.C. President, and GCSANJ Vice President Bob Dickison. Mr. Felix entertained our group at the Emerson C.C. meeting with a talk on Personal Money Management.

Tree of the Month

Scarlet Oak (*Quercus Coccinea*)

One of the more stately growing oaks. The Scarlet Oak develops an open round head, thus allowing some air and sun to reach the grass below. The oak has rich green leaves that are deeply cut and turn a brilliant scarlet in autumn, its leaves are by far more colorful than any other oak and can still be seen after most trees have shed their leaves. The Scarlet Oak needs a reasonably well drained soil in which to grow.

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Turfgrass Slide Sets Available

Three 35mm. slide sets, one each on insects, diseases and weeds of turfgrass, are now available from the NY State Turfgrass Association. These slide sets are a useful tool in the identification and diagnosis of turfgrass problems, and are of educational value to turfgrass superintendents, landscape gardeners, extension agents, universities and homeowners.

The 66-slide set on diseases of turfgrass, compiled by Dr. Richard Smiley of Cornell University, pictures the symptoms and effects of snow mold, leaf spot, dollar spot, rust, red thread, slime mold, striped smut, mildew, fairy rings, brown patch, melting out, fusarium and pythium. The 76-slide set on insects of turfgrass in the northeast, compiled by Dr. Haruo Tashiro of Cornell University Agricultural Experiment Station, pictures a variety of chafers, beetles, weevils, sod webworms and chinch bugs and the damage they do to turf. The 80-slide set on weeds, compiled by Dr. Arthur Bing of Cornell University and Robert O'Knefski of the Cooperative Extension Association, features line drawings and photos of 16 common weeds including annual bluegrass, crabgrass, goosegrass, tall fescue, nutsedge, wild onion and garlic, woodsorrel, clover, dandelion, ground ivy, plantain, chickweed, knotweed and black medic.

Each set is \$25 for NYSTA members and \$30 for non-members of NYSTA, and includes a written key, handling and shipping. Send your check made payable to the NY State Turfgrass Association, Dept. SS, 210 Cartwright Blvd., Massapequa Park, NY 11762.

Rees Jones

Continued from Page 3

Lexington, Kentucky; and the nine hole addition to the Redding Country Club, Redding, Connecticut. His eighteen hole golf courses built in 1981 include the Oyster Reef Golf Course, Hilton Head Island, South Carolina; the Eagle Lodge Golf Course, Lafayette Hill, Pennsylvania; and the Crystal Lake Golf Course, Pompano Beach, Florida, which was completely redesigned. Under construction in 1982 are the Hells Point Golf Club, Virginia Beach, Virginia, and the Key West Golf Course, Key West, Florida.

Rees's work in the New Jersey area consists of nine new holes at the Flanders Valley Golf Course, currently under construction and reconstruction work at Canoe Brook C.C., Montclair G.C. and Plainfield C.C. He also serves as consultant for new construction and long range planning at Ridgewood C.C.

Rees is an avid golfer with a handicap ranging from 6 to 8. Most of his golf is played at Montclair G.C. where he serves on the Board of Directors as Golf Chairman.

Rees's wife Susan and daughters Alden and Amy reside in Verona, N.J.

Commercial Clippings

The Upjohn Company is happy to announce that Banol Turf Fungicide, marketed by TUCO Agricultural Chemicals, has now received registration from the Environmental Protection Agency (EPA).

A water soluble liquid concentrate with propamocarb hydrochloride as active ingredient, Banol first become available in mid-1981 in 28 states and the District of Columbia through an Experimental Use Permit (EUP).

Tests have been shown that Banol is highly effective in controlling Pythium blight. It provides long residual action against this disease and, when applied at proper rates, is not phytotoxic to most turfgrass cultivars.

Albany, Oregon, March 1982...Prelude, a "new generation" turf type perennial ryegrass has recently been released. The announcement came from Steve Tubbs, general manager of Great Western Seed Company, a division of Lofts Seed, Inc. Bound Brook, N.J.

Developed by Lofts from breeding material obtained from Dr. C.R.Funk of Rutgers University, Prelude is part of the "new generation" in improved ryegrasses. These new varieties are a significant improvement over the top-performing varieties available heretofore.

Among the improvements being shown in this "new generation" are: better shade performance, superior heat tolerance and winter hardiness, and good disease resistance to crown rust and brown patch.

One of Prelude's advantages is its superior mowing performance, particularly during hot months when other common perennial ryegrass mow poorly. This feature makes it particularly appealing to golf course superintendents and groundskeepers. Prelude is expected to serve the overseeding market well as a low-growing, fine-textured ryegrass with a dark green color.

Prelude will be available in ample supply this fall through Great Western (503) 926-5892 or any Lofts branch or distributor.

Elanco has begun marketing their new 'fungicide-Poa control' Rubigan. At low rates it will control Dollar Spot, Brown Patch, and Fusarium roseum (also, both snow molds). Used in a regular program it will inhibit Poa annua competition and lead to its eventual decline. The Terre Company is the New Jersey distributor of Rubigan.

President's Message

Continued from Page 2

which we would be able to develop a definitive maintenance procedure geared to consistency, economy and perfection.

Research Committee Report

During the next two years Dr. Reed Funk will be collecting bentgrass samples in the field. The most promising of these samples will be transferred to the greenhouse, and eventually studied in new turf plots at Rutgers. Dr. Funk is interested in bents mowed at fairway height.

The GCSANJ could be very helpful in this venture. Specifically, Dr. Funk is looking for established bentgrass areas in fairways, or along fairways. Fairway grasses recently developed with seed are un-

desirable. The older grasses are more likely to have adapted to local environmental conditions, and these are the grasses Dr. Funk is interested in. If there are areas on your golf course that have persisted, and seem to be of good quality, why not mention it to your district director, or write to John Fenwick, GCSANJ research chairman. Dr. Funk does not have time to visit all the golf courses in NJ. Our cooperation can therefore save him a great deal of time.



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Chip Shots

On June 2, District 8 held a successful District meeting at the Tavistock Country Club. Host Superintendent, Tom Grimac, gave the 16 attending supers a tour of the course and history of his zoysia grass program. Keep up the good work District 8!

Dennis Wagner reports that District 6 supers are all "busy and working hard".

District I wishes Mike Leary all our very best for a speedy recovery after his recent (second) eye operation.

Rich Fodor, formerly Assistant Superintendent at Picatinny Arsenal Golf Course, is the new super at High Point Golf Club, Montague, N.J.

Ken Kubik won a first place trophy in the singles division when he competed in the Mental Health Association of Morris County's First Annual Tennis Tournament held April 23-25 at the Madison High School in Madison.

Editor's Note: A special thank you is in order for John Boyer. John always finds time to send the Greener Side info on his district, no matter what time of year it is.

Congratulations to Jim Davenport on the birth of his daughter.

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HERBICIDE PRODUCT LIST

* AAtrex 80W or Nine-O (atrazine, Ciba-Geigy); Amdon 101 (Picloram + 2, 4-D, Union Carbide); Amino Triazole Weedkiller 90 (amitrole, American Cyanamid); Amitrol-T (amitrole, Union Carbide); Amizine (amitrole + simazine, Union Carbide); Amizol (amitrole, Union Carbide); Asulox (asulam, Rhone-Poulenc); Atratol (atrazine, Ciba-Geigy); Atratol 8P (atrazine + sodium chlorate + sodium metaborate, Ciba-Geigy).

Balan 2.5G (benefin, Elanco); Banvel (dicamba, Velsicol); Banvel 4S (dicamba Velsicol); Banvel + 2, 4-D (dicamba + 2, 4-D, Velsicol); Banvel 4DS (dicamba + 2, 4-D, Velsicol); Banvel 520 (dicamba + 2, 4-D, Velsicol); Banvel 720 (dicamba + 2, 4-D, Velsicol); Basagran (bentazon, BASF); Betamec-4 (bensulide, PBI Gordon); Betasan 3.6G (bensulide, Stauffer); Betamec 4 E (bensulide, Stauffer); Brominal (bromoxynil, Union Carbide); Brush Buster Herbicide (dicamba + 2, 4-D, Velsicol); Bucril (bromoxynil, Rhone-Poulenc).

Chipco Ronstar (oxidiazon, Rhone-Poulenc); Chipco Turf Herbicide "D" (2, 4-D amine, Rhone-Poulenc); Chipco Turf Herbicide MCPP (MCP-mecoprop, Rhone-Poulenc); Chiptox 2E (MCPA, Rhone-Poulenc); Cytrol Amitrole-T (amitrole + ammonium thiocyanate, American Cyanamid).

Dacthal (DCPA, Diamond Shamrock); Devrinol 50WP or 10G (mapropamide, Stauffer); Diamond Shamrock Amine 4D (2, 4-D, Diamond Shamrock); Diamond Shamrock Amine 6D (2, 4-D, Diamond Shamrock); Diamond Shamrock MCPP K4 (MCP-mecoprop, Diamond Shamrock).

Embark (mefluidide, 3M); Emulsamine E3 (oil soluble, 2, 4-D amine, Union Carbide); Eptam 5G (EPTC, Stauffer); Evik 80W (ametryn, Ciba-Geigy).

Fenatrol Industrial (fenac, Union Carbide); Fenamine (fenac, amitrole and atrazine, Union Carbide).

Garlon 3A (triclopyr, Dow).

Hyvar X (bromacil, DuPont); Hyvar XL (bromacil, DuPont).

Karmex 80W (diuron, DuPont); Krenite (fosamine, DuPont).

Ortho Chevron Industrial Weed and Grass Killer (paraquat, Chevron); Ortho Diquat 2 Spray (diquat, Chevron); Ortho Diquat Water Weed Killer (diquat, Chevron); Ortho Paraquat CL (paraquat, Chevron).

Phytar 560 (cacodylic acid, Crystal); Pramitol 5PS (prometon + simazine + chlorate + borate mix, Ciba-Geigy); Pramitol 25E (prometon, Ciba-Geigy); Pre-San (bensulide, Mallinckrodt); Princep 80W (simazine, Ciba-Geigy).

Rad-E-Cate 25 (cacodylic acid, Vineland); Rad-E-Cate 35 (cacodylic acid, Vineland); Roundup (glyphosate, Monsanto).

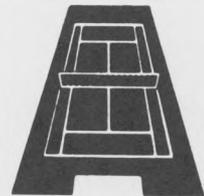
Shell Atrozone 80W (atrozone, Shell); Spike 80W (tebuthiuron, Elanco); Surflan 75W (oryzalin, Elanco).

Tordon 10K Pellets (picloram, Dow); Tordon 22K (picloram, Dow); Tordon RTU (picloram + 2, 4-D, Dow); Tordon 2K (picloram + ammonium sulfate, Dow); Trex-San (2, 4-D + MCP-mecoprop + dicamba, Mallinckrodt); Trimec (2, 4-D + MCP-mecoprop + dicamba, PBI Gordon); Tupersan 50W (siduron, DuPont).

Vapam (metham, Stauffer); Velpar (hexazinone, DuPont); Velpar L (hexazinone, DuPont); Visko-Rhap A 3D (2, 4-D amine, Rhone Poulenc).

Weedar 64 (2,4-D amine, Union Carbide); Weedazol (amitrole, Union Carbide); Weedmaster (dicamba + 2, 4-D, Velsicol); Weedone LV4 (2, 4-D ester, Union Carbide); Weedone 170 (2, 4-D + dichloroprop, Union Carbide); Weedone 638 (2, 4-D acid, Union Carbide); Weedone 2, 4-DP (dichloroprop, Union Carbide); Weed-Rhap A-4D (2, 4-D amine, Rhone-Poulenc); Weed-Rhap LV 4D (2, 4-D ester, Rhone-Poulenc).

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