



CHIPS & PUTTS

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Don't Throw Away That Jug!

PA sponsors a free plastic pesticide container recycling program (PPCR) in an effort to reduce the number of plastic pesticide containers being incinerated or placed in landfills. PPCR continues to excel—having recycled 86,774 lbs. of plastic pesticide containers in 2001, and over 350,000 lbs. since its inception in 1994. Lesco Service Centers, as well as Andre & Son, are assisting the effort as collection centers. More information, including a full list of collection centers is available on the website: <http://www.pested.psu.edu/pdaprefr.html> or call Don Gilbert at 717-705-5858. Be a good steward of the environment by cleaning and recycling your plastic pesticide containers.



Bob Price Hosts Annual Meeting

Edgewood in the Pines Golf Course is the sight of the Pocono Turfgrass Association's October meeting and golf tournament. The parkland style course plays up to a length of 6700 yards and carries a par of 72. Approximately 12 holes were designed by Joe Esposito and opened for play in 1980. The final six holes were completed by Gordon Associates in the mid-eighties. Entertaining 32,000 golfers per year, Edgewood features many views of the mountainous landscape surrounding the area and is highlighted by numerous water features throughout the course.

Bob Price is in his first season as golf course superintendent at the course owned by Gotham Golf Partners. Gotham operates 27 courses in its portfolio and is located in Hershey. Bob maintains the course with the assistance of three full time employees with the addition of three part time employees in season. Bob was formerly the golf course superintendent at Four Seasons in Exeter for four years. He previously worked there as John Suich's assistant for three years.

Bob also served in the United States Air Force as a construction specialist and retired after a twenty-year tour of duty. The Texas native is the father of sons Ryan, 17, and Paul, 18. In his free time, Bob enjoys fishing, hunting, and woodworking.



President's Message.....

Last One!!

I am sure some people are extremely happy about this. This is my last President's message. I am 50/50 on this one: 50% of me is relieved because now I can go to a meeting and play golf and not have to worry if the food is good or whether people may show up without signing in. That part is over! The other 50% is disappointed because we weren't able to accomplish all of the goals I set myself when I became president. However, I am sure the new board will take the ball and run with it.

I owe some thank you's here, and if I forget someone, please forgive me. It's not intentional. Melinda Wisnosky for all of the ridiculous questions I ask; my two assistants (from Pocono Farms C.C.) Adam and Bryan - without those guys I would not have been able to go to the monthly meetings and feel comfortable; the many board members that I have worked with (past and present); and last but not least, you the membership of the Pocono Turfgrass Association. You are what makes this association great.

Gene Huelster

From the Editor's Desk.....

As our golf season begins to wind down, hopefully this time of year finds you able to slow down and take the time to enjoy a few things other than working. I again must apologize for my inability to produce this newsletter in a timely fashion. I can offer no acceptable excuses and am renewing my commitment to improving in this area for next year. I would like to thank Melinda for her diligent production work, Jim MacLaren for his stellar work as the staff photographer, and Jeff Koch and Jason Barndt for their editorial contributions. I would also like to thank Mike Fidanza for his contributions early in the season. Hopefully, we can call on you again for this next year.

Once again, I would also like to invite anyone to contribute anything to this newsletter that they find entertaining or pertinent to this association. You may reach me at 570-788-4277 or by fax at 570-788-5039.

Eric Reed



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BROADLEAF WEED CONTROL

By Dr. David Gardner,

The Ohio State University, Department of Horticulture and Crop Science

Whether you are a professional lawn care operator or a golf course superintendent, it is usually a necessary evil to perform some postemergence broadleaf weed control in the spring. Unfortunately, this has fostered the misconception that spring is the ideal time to control broadleaf weeds. Many of our most common and hardest to control broadleaf weeds are perennials. There are several reasons why it makes more agronomic sense to apply postemergence materials, such as 2,4-D and triclopyr in the fall, especially for the control of perennial weeds:

Herbicide translocation-In the spring, perennial broadleaf weeds such as dandelion are translocating materials stored over winter from the taproot to the newly emerging leaves. In the fall, the opposite occurs as the weed translocates carbohydrates into the taproot for winter. Fall applied broadleaf herbicides are much more effective because they are readily translocated into the root system, resulting in death of the root system as well as the leaf tissue.

Control in spring results in bare patches filled in by crabgrass-Springtime herbicide applications have unfortunately become a necessary evil, either because a new client was secured over the winter or because tolerance for broadleaf weeds is low in areas

such as fairways or office park entrances. However, application of 2,4-D and other materials in the spring will result not only in possible incomplete kill of the root system, but also a bare patch that is quickly filled in by crabgrass and other annual weeds. Control in the fall is not only more effective, but also gives the turf time to fill in the bare spot without competition from most annual weeds. While postemergence broadleaf herbicides will not control crabgrass, often the best

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Table 1.

Perennial broadleaf weeds are most effectively controlled in the fall. Annual broadleaf weeds can also be controlled, but are at the end of their life cycle. More effective control of annual broadleaf weeds is with preemergence herbicides applied in spring.

Species	Control Options	Confused with these annual weeds:
Mouse ear Chickweed <i>Cerastium vulgatum</i>	MCPP or dicamba	Common Chickweed <i>Stellaria media</i> (See Figure 1)
Canada Thistle <i>Cirsium arvense</i>	dicamba	
Ground Ivy <i>Glechoma hederacea</i>	2,4-D, MCP, or other combination	Common Mallow <i>Malva rotundifolia</i> (See Figure 2)
Buckhorn Plantain <i>Plantago lanceolata</i>	2,4-D, MCP, dicamba	
Blackseed Plantain <i>Plantago rugelii</i>	2,4-D, MCP, dicamba	
Curly Dock <i>Rumex crispus</i>	2,4-D or dicamba	
Dandelion <i>Taraxacum officinale</i>	2,4-D or dicamba	
White Clover <i>Trifolium repens</i>	MCP, clopyralid, or dicamba	Black Medic <i>Medicago lupulina</i> Yellow Woodsorrel <i>Oxalis stricta</i> (See Figure 3)
Wild Violet <i>Viola papilionacea</i>	triclopyr	



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Table 2.

If possible, annual broadleaf weeds should be controlled using preemergence herbicides in the spring. Postemergence control, if used, should be conducted early in the life cycle of the weed.

Species	Preemergence Control Options	Postemergence Control Options
Prostrate Pigweed <i>Amaranthus blitoides</i>	bensulide, isoxaben ethofumesate, oxadiazon	2,4-D or MCPP
Prostrate Spurge <i>Euphorbia supina</i>	prodiamine, dithiopyr, isoxaben, pendimethalin, oxadiazon	2,4-D, MCPP, dcamba or 2,4-DP
Common Mallow <i>Malva rotundifolia</i>		2,3,4-D, bromoxynil
Black Medic <i>Medicago lupulina</i>		MCPP, clopyralid, dicamba
Yellow Woodsorrel <i>Oxalis stricta</i>	dithiopyr, isoxaben, pendimethalin	triclopyr
Prostrate Knotweed <i>Polygonum aviculare</i>	prodiamine, isoxaben	dicamba
Purslane <i>Portulaca oleracea</i>	dithiopyr, isoxaben, pendimethalin, ethofumesate, oxadiazon	dicamba
Henbit <i>Lamium amplexicaule</i>	prodiamine, bensulide, dithiopyr, isoxaben, pendimethalin	dicamba
Common Chickweed <i>Stellaria media</i>	prodiamine, dithiopyr, isoxaben, pendimethalin, ethofumesate	MCPP or dicamba

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control of annual grasses is a dense stand of turf.

Less risk of damage to ornamentals-Most ornamentals in the landscape and garden are very sensitive to the effects of broadleaf herbicides, so that even the slightest contact will cause damage. Newly emerging leaves are especially sensitive. Damage resulting from contact with herbicide vapors can occur if the herbicide volatilizes. Volatilization is more likely as the temperature increases or when using certain herbicide formulations (more on this later). However, in the fall, most annual ornamental plants and vegetables have reached maturity and leaves of trees and shrubs are beginning to turn color and fall off the plant.

Winter annuals-such as henbit and common chickweed, are beginning to germinate in mid-to-late fall and can be effectively controlled if herbicide application is done after they germinate.

It is important to correctly identify the most problematic weeds on a site, and then consider whether they are predominately annuals or perennials. Correct identification is usually pretty easy. However, a few of the weeds can be confused, like the clovers (see Table 1). Identification of the weed and knowledge of its life cycle is necessary in order to best determine what control strategies to use. For example, white clover is a perennial and control is most effective if herbicides are applied in the fall. Black medic and yellow woodsorrel are annuals. Both are best controlled with postemergence materials early in their life cycles. Some preemergence herbicides are labeled for control of yellow woodsorrel. However, this weed germinates very late and may not be effectively controlled unless herbicides are also applied late (after crabgrass has germinated) or as a split application. Other annual weeds that are considered difficult to control preemergently are knotweed (germinates very early) and spurge (germinates very late). Incidentally, these two weeds are often confused. Spurge, however, has milky sap while knotweed does not. Properly discerning between these two weeds may be important in determining the proper time to apply preemergence herbicides if this control strategy fits into your management program.

Table 1 lists the most common perennial broadleaf weeds. Though certainly not inclusive, the species listed easily account for 90% of the perennial broadleaf weed problems in Ohio turfgrass. Fall applied postemergence herbicides should be the first choice to control perennial broadleaf weeds.

While fall applications of broadleaf herbicides will also control annual broadleaf weeds, many of these may be effectively controlled using preemergence herbicide materials applied in the spring. Table 2 lists some of the most common annual broadleaf weeds, along with options for control with preemergence herbicides. Since these weeds are annuals, they are near the end of their life cycle now and control with a postemergence material may not be warranted. If there is heavy cover of these weeds it may be advantageous to control them now in order to allow the grass time to fill in the bare spots during the fall. Remember, though, that more effective control of these weeds in future seasons is either with preemergence herbicides, or, if necessary, postemergence materials applied early in the weed's life cycle.

It is very important to select the right herbicide and the most appropriate formulation in order to get the best possible control. Consult the label to determine whether the addition of a surfactant is warranted. Ester formulations are more effective than amine formulations, especially as temperatures decline. Esters, however, are more volatile and more care around ornamentals must be exercised with these materials when temperatures are above 60 degrees. Remember also that postemergence herbicides are most effective if applied during sunny weather with no rainfall within 24 hours of application.

How late these materials can be applied depends on weather conditions. In general, if the plant tissue is losing quality due to frost or cold temperatures, it is probably too late to get enough herbicide into the root system for effective control. Finally, herbicides applied in the very late fall have been observed to have what appears to be little effect. But, when the same areas are revisited in the spring, control can, in fact approach 100%.

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A Clambake Recap from President Gene Huelster And the Board of Directors

I want to congratulate Duane Schell, Tony Barletta, Jeff Hopeck, and Chris Schuster for a great win to take the annual PTGA Clambake trophy for 2003. I want to thank them for hosting the clambake and for providing us a great day at Blue Ridge Trail. It was also nice to see some faces we haven't seen in a while, like Parker Biery and Tom Trifelitti, as well as some newer faces like Rich Sweeney. Keep it up guys! We hope to see you at many future meetings.

I also want to thank the Philadelphia Turf Company and its owner, Frank Shuman, for sponsoring lunch. Your contributions over the years have not gone unnoticed—Thank you. I would also like to thank the following tee sponsors for their generous contributions toward the Patterson Scholarship fund. With their help, we were able to add \$3,000 to the scholarship fund. Great job by everyone! Congratulations again to Ben Kovacs, this year's scholarship recipient.

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A message from your golf course superintendent and GCSAA



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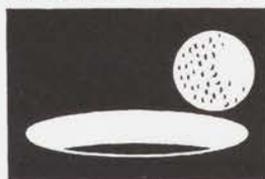
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POCONO ROUNDUP

NEWS AND VIEWS FROM THE POCONO
TURFGRASS ASSOCIATION

2003 Golf Season

The Pocono Turfgrass Association is looking for meeting sights for the 2003 season as well as the 2004 season. The Board of Directors has a renewed commitment to make every effort to secure meeting sights for the upcoming year by December 31 of this year. By doing so, we will be able to approach educational speakers in January and February when they are making their schedules for the 2003 year. Please consider granting our association the opportunity to enjoy an educational meeting and a day of golf at your facility. Everyone benefits from the chance to see other golf courses as well as from the chance to interact with other members of our profession. If you would like to host a meeting next season, please contact any board member or leave a message with the association secretary, Melinda Wisnosky, at 570-388-2167.



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