



QUALI-PRO

PROTECTING NATIVE AREAS

COOL-SEASON GOLF COURSE PROGRAM

There's beauty and utility in managing native areas throughout your course

Native areas offer significant value to golf courses: enhancing aesthetics, improving ecological function, and reducing maintenance inputs without the need to create new zones. By supporting the native spaces already present, superintendents can unlock on-course benefits that resonate with both golfers and environmental initiatives.

ENHANCED WILDLIFE HABITAT

Native areas naturally create spaces for birds, beneficial insects, and small wildlife.

- Utilize regionally adapted native grasses that provide structure, cover, and seasonal interest
- Allow select pockets to remain unmowed through winter to support overwintering species

EROSION CONTROL & SLOPE STABILIZATION

Well-managed native stands reduce washouts and protect high-value areas prone to erosion.

- Choose native grasses with strong rooting systems for banks and slopes
- Establish deep, dense stands to anchor soil and reduce sediment movement
- Use native buffer strips near bunkers, cart paths, and water features to stabilize edges

WATER CONSERVATION & RESOURCE EFFICIENCY

Native species thrive with minimal inputs, making them ideal for reducing overall resource demands.

- Significantly lower irrigation needs compared to maintained turfgrass
- Transition high-input rough into low-input native stands to cut water and labor use
- Strategically position native areas to slow runoff, protect high-value turf, and improve infiltration

PRODUCT STRENGTHS

Dithiopyr 2EW

Long-lasting preemergent control of annual grasses and broadleaf weeds with the added benefit of early postemergence crabgrass activity. Its low-odor, easy-to-handle formulation makes early-season applications simple and reliable.



2-D (Triclopyr + Clopyralid)

Dependable postemergence control of dandelion, clover, plantain, thistle, and dozens more broadleaf weeds, providing dependable cleanup without harming desirable native grasses.



Pac-Low SC (Paclobutrazol)

Effective growth regulation that reduces mowing frequency and helps create denser, more uniform native grass stands. It enhances stress tolerance and improves the overall appearance of naturalized areas.



Contrado SC (Chlorantraniliprole)

Long-lasting, reliable control of white grubs, caterpillars, billbugs, and other key turf pests with just one early-season application. Its systemic activity provides broad protection while remaining gentle on pollinators and other beneficial species.



Expel (Sulfentrazone)

Fast, dependable control of nutsedges, kyllinga, and other broadleaf weeds. Its systemic activity moves quickly into the plant to stop growth at the source, providing reliable postemergence cleanup in native and out-of-play areas.



Quinclorac 1.5L

Controls notoriously difficult weeds, including crabgrass, foxtail, and signalgrass, even after emergence. Its systemic activity penetrates deep into the plant, providing reliable control even under stressful conditions.



2DQ (2,4-D + Dicamba + Quinclorac)

Exceptional activity on more than 200 broadleaf species. With multiple modes of action and a proven safety profile, 2DQ is ideal for rotational use or as a go-to broadleaf cleanup tool in native areas and roughs.



Prodoxaben SC (Prodiamine + Isoxaben)

The dual-active formulation creates a durable preemergent barrier that prevents germination of over 150 troublesome annual grasses and broadleaf weeds. Its advanced SC formulation delivers uniform soil coverage, dependable performance, and season-long protection.



| A PROGRAM APPROACH TO PROTECTING WHAT'S NATIVE | SPRING | IN-SEASON | FALL |
|--|---|---|--|
| SOLUTION | <i>Mow selectively based on spring flush and stand density</i> | <i>Avoid mowing during the active growth period</i> | <i>Make a fall conditioning mow before herbicide applications</i> |
| Dithiopyr 2EW Pre-emergent broadleaf and grassy herbicide | 0.55 – 0.73 fl oz / 1000 ft² Apply prior to germination of target weeds. Activate herbicide with at least ½" irrigation or rain after application. | | 0.55 – 0.73 fl oz / 1000 ft² <i>Use in New York State where applications of Prodoxaben SC are restricted.</i> Apply prior to germination of target weeds. Activate herbicide with at least ½" irrigation or rain after application. |
| 2-D Post-emergent broadleaf herbicide | 1.1 – 1.5 fl oz / 1000 ft² Apply to actively growing target weeds. Tank mix with a non-ionic surfactant. Do not water for six hours after application. | | 1.1 – 1.5 fl oz / 1000 ft² Apply two weeks after mowing. Tank mix with a non-ionic surfactant. Do not water for six hours after application. |
| Pac-Low SC Plant Growth Regulator | 0.37 – 0.74 fl oz / 1000 ft² Apply in May after green-up of grasses. Irrigation or rain of ¼ - ½" will help move the active ingredient into the soil for optimal plant uptake. | | |
| Contrado Insecticide | 0.18 – 0.28 fl oz / 1000 ft² Tank-mix with Pac-Low SC for efficiency. Apply in May for season-long insect control. Irrigation or rain of ¼ - ½" will help move the active ingredient into the soil for optimal plant uptake. | | |
| Expel Post-emergent sedge herbicide | | 0.18 fl oz / 1000 ft² Spot spray for nutsedges and kyllinga | |
| Quinclorac 1.5L Post-emergent broadleaf and grassy herbicide | | 1.45 fl oz / 1000 ft² Spot spray for crabgrass, foxtail, signalgrass, and other target weeds | |
| 2DQ Post-emergent broadleaf herbicide | | 1.1 fl oz / 1000 ft² Spot spray for target broadleaf weeds | |
| Segment II + Pylex | | 1.3 fl oz + 0.034 fl oz / 1000 ft² Spot spray deer tongue and dallisgrass | |
| Prodoxaben SC Pre-emergent broadleaf and grassy herbicide | | | 2.0 fl oz / 1000 ft² Apply prior to germination of target weeds. Activate herbicide with at least ½" irrigation or rain after application. |
| Segment II | | | 0.9 fl oz / 1000 ft² Apply as a post-emergent to target grassy weeds. |

PRODOXABEN

HERBICIDE

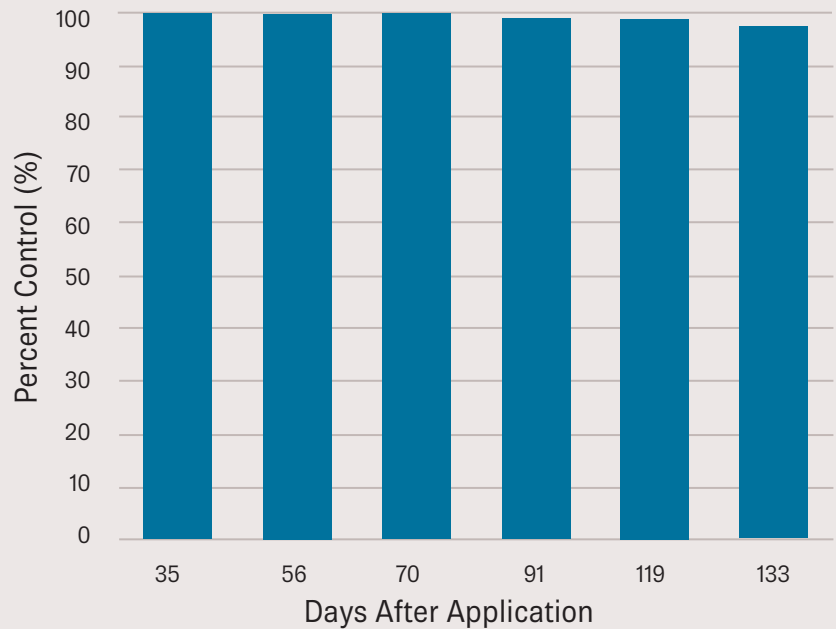
"PRODOXABEN IS THE FOUNDATION OF OAKMONT'S FINE-FESCUE/ NATIVE AREA PRE-EMERGENT HERBICIDE PROGRAM. SINCE ITS LAUNCH, PRODOXABEN HAS PROVIDED OAKMONT UNPARALLELED SEASON-LONG CONTROL OF TROUBLESOME GRASSY AND BROADLEAF WEEDS WITH ONE APPLICATION IN EARLY TO MID-MAY."



Mike McCormick
GCSAA Class A Superintendent
Oakmont Country Club
Oakmont, Pa.

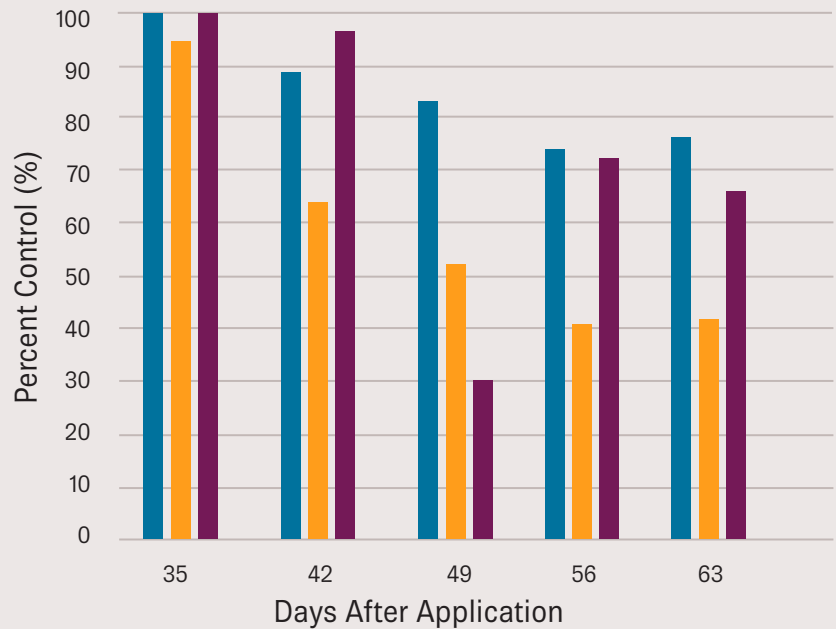


Prodoxaben SC Large Crabgrass Control



Preemergent large crabgrass (*Digitaria sanguinalis*) control following a single application of Prodoxaben SC at 2.0 fl oz per 1,000 ft². Greater than 97% control was maintained for at least 133 days after application, demonstrating long-lasting residual activity for native areas on golf courses. Trial conducted by Travis Teuton, Southeastern Turfgrass Research Center.

Prodoxaben SC Broadleaf Weed Control



Preemergent broadleaf weed control of evening primrose (*Oenothera biennis*) following a single application of Prodoxaben SC at 1.5 fl oz per 1,000 ft². Greater than 75% control was maintained for up to 63 days after application, outperforming similar combination chemistries, which did not sustain >75% control beyond 42 days. Trial conducted by Travis Teuton, Southeastern Turfgrass Research Center.

■ Prodoxaben SC (1.5 fl oz) ■ Isoxaben + Dithiopyr G (4.6 lb) ■ Indaziflam G (4.6 lb)