



and

TORO®

present...



Greensmaster® 3050

The Toro Company's lightest riding greens mower.

Experience the crisp, clean and consistent cut that only the Greensmaster name ensures — now with a lighter footprint and an economy model price.



Toro has updated its legendary Greensmaster line with the addition of the Greensmaster 3050. This competitively priced mower is 165 pounds less than its predecessor, the Greensmaster® 3000, and 80 pounds less than the 3100. Rightly so, the 3050 earns the title of Toro's lightest riding greens mower. But the 3050 is no lightweight when it comes to performance. True to its lineage, it offers exceptional cutting ability along with many other noteworthy features and benefits.

Proven Vanguard® Engine

The 3050 adopts many of the same, proven features of the Greensmaster 3100, Toro's most successful riding greens mower. Carried forth is the same reliable hydraulic system and dependable 16-horsepower Vanguard engine that meets all CARB certifications.

Standardized Components

The entire Greensmaster line now features many standard parts, including engine and hydraulic components. This interchangeability makes the mowers easier and more cost efficient to maintain.

Ergonomic Design

Operators will appreciate an engine that vibrates less and is more quiet for them and the environment. The updated steering system means easier maneuvering, especially on turns. For added convenience, all controls are consolidated around the operator.

Versatility

The Greensmaster® 3050 accommodates all existing accessories and attachments for the Toro Greensmaster 3100.

"Feedback" Manual Steering

The 3050 provides the ultimate in steering sensitivity. Manual steering makes straight line mowing easier, yet keeps operator effort at a minimum.

Re-Engineered Cable Steering System

The re-engineering of the manual, precision steering system extends cable life and simplifies steering cable replacement, if needed.

Plus, Customer-First Services

Before and after your purchase of any Toro product, you can count on services that won't quit. Financing, leasing and fast delivery of parts through Toro's nationwide distributor network are yours for the asking.

GREENSMASTER® 3050, MODEL 04351 SPECIFICATIONS*																	
ENGINE	Vanguard® V-Twin cylinder, 4 cycle, OHV, air cooled, gas engine with cast iron cylinder sleeves. 16 hp (11.9 kW), 29.3 cu. in. (480 cc) displacement. Dual element air cleaner. 54 ounces (1.6 liter) oil capacity. Electronic ignition. Full pressure lubrication, oil filter. Engine is vertically mounted with three focused isolation mounts.																
FUEL CAPACITY	7.5 gallon (28.4 liters) capacity; unleaded gasoline.																
TRACTION DRIVE	Hydraulic gear pump. Foot pedal forward and reverse; infinitely variable. Front wheel orbit motors.																
GROUND SPEED	Forward – 1st, mow: 3.8 mph (6.1 km/h); 2nd, transport: 7.4 mph (11.9 km/h). Reverse – 1.9 mph (3 km/h).																
TURF COMPACTION	8-10 psi (dependent on tire pressure) with operator and cutting units down.																
IMPLEMENT DRIVE	Hydraulic drive, individual pump and valve sections operating 3 reel motors.																
HYD. OIL CAPACITY	4.5 gallon (17 liter) oil reservoir.																
HYD. OIL FILTER	10 micron, large capacity, long life replaceable cartridge, full flow.																
TIRES/WHEELS/PRESSURE	Three tires: 18 x 9.50-8, 2-ply pneumatic, tubeless, demountable and interchangeable with smooth tread. Tire pressure: 8-12 psi (55-83 kPa). Optional Traction Tire (2-ply): P/N 231-124.																
MAIN FRAME	Tricycle vehicle; two front wheels, rear wheel steering. Welded, steel tube frame construction. Two cutting units up front with center cutting unit beneath the operator.																
BRAKES	Two 6" (15 cm) drum type mechanical brakes with rack and pawl lock for parking.																
STEERING	Rectangular steering wheel. Adjustable steering arm.																
CONTROLS/GAUGES/DIAGNOSTICS	Hand operated choke, throttle and gear selection. Foot operated traction drive, brakes, and mow/lift pedal for starting or stopping of implements. Hour meter and ammeter.																
ELECTRICAL FEATURES	12 volt battery; 32 amp hour. 16 amp alternator, circuit fused at 20 amps. Ignition switch/key. Seat switch, mow and traction drive interlock switches.																
SEAT	Contour seat with high backrest. 7" (18 cm) fore/aft adjustment with 2 mounting positions.																
OPER. SOUND LEVEL	81 dB(A) at operator's ear under normal operation.																
BYSTANDER SOUND LEVEL	SAE Bystander Sound Pressure at 25, 50, and 100 foot distances:																
	25 ft. (8m) 50 ft. (15 m) 100 ft. (30 m)																
	Mowing: 74 dB(A) 68 dB(A) 62 dB(A)																
	In Transport: 72 dB(A) 66 dB(A) 60 dB(A)																
CERTIFICATION	Certified to meet ANSI specification B71.4-1990 and applicable Federal and State regulations based thereon.																
WARRANTY	Two year limited warranty. Refer to the Operator's Manual for further details regarding this warranty. Briggs & Stratton provides a two year commercial engine, and a lifetime Magnetron® ignition warranty.																
OVERALL DIMENSIONS AND WEIGHTS	<table border="0" style="width: 100%;"> <tr> <td>Width of Cut:</td> <td>59" (150 cm)</td> <td>Width w/reels:</td> <td>69.75" (177 cm)</td> </tr> <tr> <td>Wheel Tread:</td> <td>49.5" (126 cm)</td> <td>Height:</td> <td>48.5" (123 cm)</td> </tr> <tr> <td>Wheelbase:</td> <td>46" (119 cm)</td> <td>Wet Weight</td> <td></td> </tr> <tr> <td>Length:</td> <td>90" (229 cm)</td> <td>(without reels):</td> <td>940 lbs. (423 kg)</td> </tr> </table>	Width of Cut:	59" (150 cm)	Width w/reels:	69.75" (177 cm)	Wheel Tread:	49.5" (126 cm)	Height:	48.5" (123 cm)	Wheelbase:	46" (119 cm)	Wet Weight		Length:	90" (229 cm)	(without reels):	940 lbs. (423 kg)
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*Specifications and design subject to change without notice. Products depicted in this brochure are for demonstration purposes only. Actual products offered for sale may vary in design, required attachments and safety features. Consult your Toro Distributor.

†Vanguard® and Magnetron® are registered trademarks of the Briggs & Stratton Corporation.



The Greensmaster 3050 is manufactured in Tomah, WI ISO 9002 Certified Plant.



Commercial Products



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Tips from Cypress Run

Photos by Joel Jackson

THINNING OUT tree canopies and installing shade-tolerant zoyzia are two ways to improve this shady tee.



These pine trees suffering from decline are being treated with Systrex. Note the injection containers at the base of the trees.



Improved water cooler stand dispenses water, ice, two kinds of cups and has a trash receptacle built in. The rear access door is padlocked for security



Traffic control stakes at Cypress Run are made from old flagpoles and irrigation hydraulic tubing.



Strategically placed divot sand bucket (left) and broken tee caddy (center) help keep Cypress Run par-three tees neat and playable.

Practical alternative — This former weak, shady, high-traffic turf area was turned into a sandy waste area.



Introducing the new advantage in irrigation repair, replacement and upgrade.

From LESCO and Bear™ Irrigation comes the advantage you've been looking for in golf course irrigation. Improved performance from a new line of components designed to upgrade your Toro® 600 and 700 Series valve-in-head sprinklers.

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The second hole shows off neatly edged bunkers and graceful oak trees. Photo by Daniel Zelazek.

to 3/4 of an acre by eliminating the wasted transition areas between the original three tiers and making one large tee.

This spring Mike and company will extend the 18th tee to give more members a chance of getting home in two shots on the spectacular and challenging finishing hole.

All of these projects and the attention to daily grooming details require Mike to spend most of his day on the course, which suits him just fine. Mike is quick to praise his crew and supporting staff.

"Sherry Barker is a computer genius and she takes a lot of the paperwork out of my hands so I can concentrate on the course. I'd say my office time is down to about 5% and my course time up to 95%

thanks to Sherry's expertise.

"My mechanic, Bob Stalter, is a small engine magician. He completely rebuilt our Sand Pro, saving us money in our capital budget. No superintendent is worth his salt without a good assistant, and Mike McNeil is my right hand.

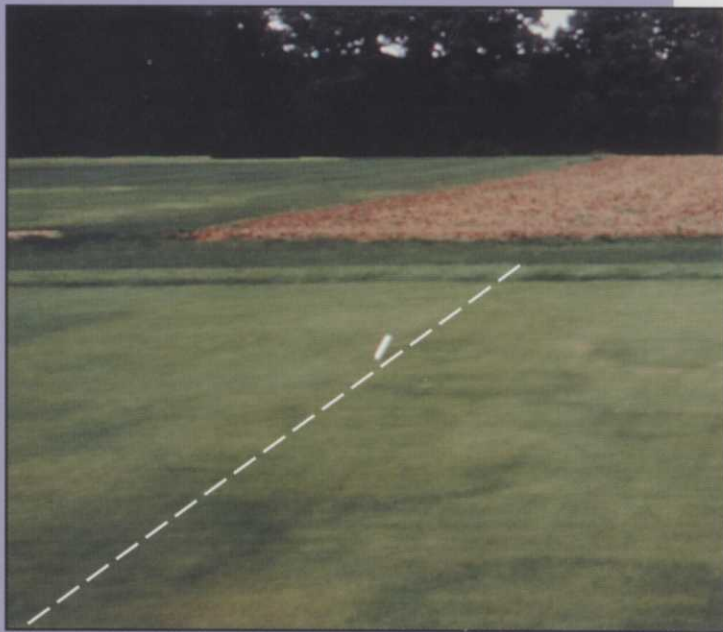
"We have a pretty good team here. Most of the full timers have been here seven or eight years and even the part timers average about three years of service."

I was impressed by the teamwork of the entire club. The well-used divot sand buckets, the full broken-tee caddies, the raked bunkers and the repaired ball marks all gave evidence of a well organized membership who had a proud stake in the

club's success.

I was equally impressed by the Cypress Run Foundation. The Foundation was a way for members to bequeath or contribute financially to the Clubhouse Fund, Arbor Fund, Cart Path Fund, Irrigation Systems Fund and the General Purpose Fund for continuous improvements to the course and club.

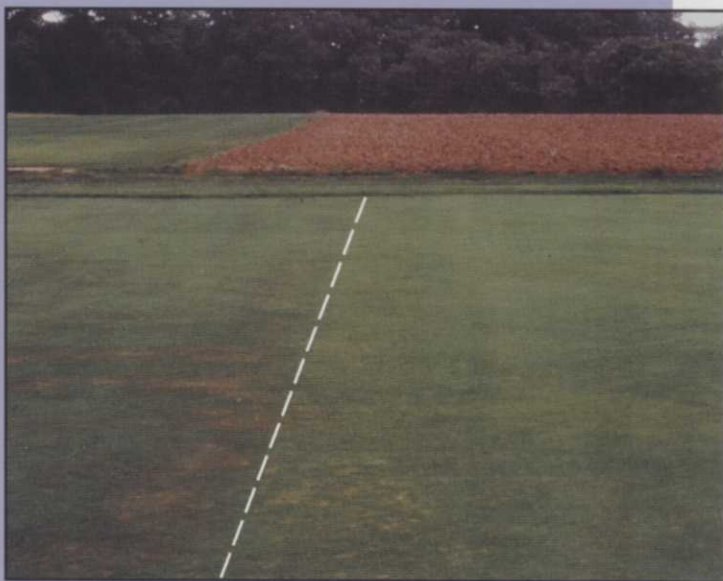
Planning. Organizing. Achieving goals. That's what good management is all about. From my visit, I'd say that's what Mike Swinson and Cypress Run are all about. Cypress Run, a 15-year-old dream that just seems to be getting better with age.



PRE-TREATMENT:

Both areas exhibit the presence of Fairy Ring. The area on the right received 2 treatments of AQUEDUCT at 8 oz./1000 sq. ft. Treatments were applied one week apart.

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TWO WEEKS LATER:

Untreated area (left) shows severe signs of stress due to water repellency. Area on right (treated) exhibits recovery and shows good turf quality.

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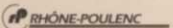
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A Day in the Life...

What superintendents and their crews do from dawn to dusk to dawn



*Quarry wall cleaning is a unique maintenance task at the Black Diamond Ranch.
Photo by Laurie Frutchey.*

Editor's Note: *There is no such thing as a typical workday in the life of a golf course superintendent because there are no typical golf courses. That's part of the appeal of the game we serve. Every superintendent has thousands of stories to tell. On the following pages, we present a handful which, taken together, indicate the broad range of problems we deal with and the unique solutions crafted by the members of our profession.*

From Darkaphobia to Dilithium Crystals

BY MIKE MONGOVEN, CGCS
Fort Myers Country Club

The day in the life of a "dirt farmer," as my wife sometimes affectionately calls me, starts early. Early is a relative term!

The hour most golf course superintendents get cracking is extremely early for your average Joe. John Wayne would be proud of us, because you won't catch many golf course superintendents "burning daylight" as the Duke would say.

One of the biggest challenges we face immediately upon arrival to work is the lack of sunlight. This presents multiple problems which include hiring a staff

that is not overloaded with members that suffer from "darkaphobia," the fear of getting to work too early.

Leadership and experience are critical in managing a staff in the dark. This is a skill that most golf course superintendents will profess to have. In fact, some golf course superintendents will tell you that they are often kept in the dark.

The sunrise is always a beautiful sight. It can also be a bit painful on a Saturday morning after a few too many red pops on Friday night.

The sky lit up in pink, purple, red, blue, peach and whatever is nice. Starting in such a way can put a positive spin on the entire day.

I enjoy seeing the world wake up.

As I look at the day ahead, I generally try to "ride that wave" as they say down under. I occasionally bring my children to work with me on weekends so they can experience the awesomeness of the morning.

As the general population starts to scurry about, the day of a golf course superintendent becomes more difficult. More people means more communication.

This can be difficult and requires much patience, which should not be confused with becoming a patient or making someone else a patient.

Some golfers, and dare I say, some golf professionals can be difficult to deal with from time to time. The community of golf course superintendents tends to be friendly and helpful.

Need help diagnosing a problem? Want advice on equipment? Do you just want someone to listen? There is always a superintendent friend to help during the day.

Wearing many hats is a requirement for a golf course superintendent to have a successful day. Training as a priest, rabbi, motivational speaker, drill sergeant, adult diaper changer, fireman, physician, counselor, mind reader, CPA, agronomist, coach, referee, hydrologist, horticulturist, meteorologist, herbiculturist, mole cricketologist and faith healer are all helpful in the pursuit of excellence.

Stacking all these hats on one's head and showing the talent and skill of the Cat in the Hat to wear them is something that is not taught at The University of Turf. Hopefully, after a few tries and relocations, you will have mastered it.

After a few hours — generally less than 15 — most of us can call it a day. A few hours sleep and it is off to save our piece of the planet for another day. If Scotty could just recharge those dilithium crystals a little quicker, I am sure we could cover more bases tomorrow. 🦉

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Every Day is Special

BY LAURIE FRUTCHEY

*Golf Course Superintendent
Black Diamond Ranch*

AS TOLD TO LISA A. SWING

*Horticulturist
Black Diamond Ranch*

Black Diamond Ranch is a privately owned 27 hole golf course (soon to be 36 holes) located in Lecanto. It is owned and operated by Stan Olsen. We have the distinction of being ranked number one in Florida by *Florida Golfer* magazine and as high as number four in the United States.

On any given day, you will see me or any of my supervisors out working along with the rest of the crew. It may be manual labor or the intricacies of teaching proper operation of equipment. I believe a working boss is a respected, knowledgeable boss.

Our normal working routine starts at 6 a.m. Monday morning. At this time, my

assistant superintendents (or myself) arrive to write up a daily work schedule.

We have our "original" Quarry Course, which is built around an abandoned limestone quarry. George Moorehead, one of my assistants, handles the scheduling for these 18 holes.

The Ranch Course is currently a 9-hole layout with a natural woodland setting. An additional nine holes are under construction. Maintenance schedules on the Ranch Course are handled by Kirk Osborn, also an assistant superintendent.

Our crew, consisting of 43 full-time employees, is at work between 6 a.m. and 6:30 a.m. They get their assignments or do their own jobs starting at 6:30 a.m.

Morning jobs are listed for golf course maintenance staff. Nineteen employees, plus myself and two assistants, are responsible for the morning jobs.

They prepare their tools and equipment according to their assignments. These jobs consist of cutting cups, mowing greens (either walk mow or triplex), filling water coolers, emptying trash buckets, raking sand traps, moving tee mark-

ers, etc.

Morning jobs are finished within two to three hours. During this time, we note other jobs to be completed and schedule appropriate employees to each task.

Quarry wall cleanup is one job we have here that most courses don't have to contend with. Holes 13 through 17 are constructed around the natural aquifer lake that is the core feature of the back nine. Quarry walls some 60 feet high create a stunning backdrop of natural and manmade beauty. Certain areas of these walls (only where it's safe!) are string-trimmed and brush-bladed down to give a better vision of the boulders and trees that line them.

Spring and fall are the heaviest growth periods so this is a job done on a regular basis during those seasons.

Our crew breaks for lunch at 11:30 a.m. We take a half hour lunch and resume working at noon. We then work until 3 p.m. This is the regular schedule for Monday through Thursday.

On Fridays, the crew leaves at 11:30 a.m. for the day. The crew is split in half

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