2020 PRODUCT CATALOG

RYAN®

The First Name in Turf Renovation™

Trust RYAN® | ryanturf.com

TRUST RYAN

Our business is to understand your business. We take time to know the details of the industries we serve and study the needs of those who buy, rent, maintain and use our equipment so that we keep bringing you the most productive and cost-effective turf equipment on the market.

Your productivity and bottom line are important to us.

TRUST RYAN® TO KEEP BRINGING YOU THE VERY BEST.

LAWN CARE PROFESSIONALS

RYAN® professional lawn care products are designed to keep you, your crews and your customers happy while improving your business profitability. Our high-performance aerators, sod cutters, dethatchers and overseeders offer maximum versatility, reduced operator fatigue and efficient, reliable, long-term operation year after year.

RENTAL

Our turf equipment is built to withstand heavy use and transport. We recognize the rental industry's need for easy-to-use machines that offer long-term, consistent, reliable performance to both seasoned lawn care professionals and first-time users. RYAN® delivers solid, dependable machines that protect your bottom line by staying on the turf and out of the shop.

GOLF

Superintendents take great pride in maintaining golf courses that reflect the deeply rooted traditions within the sport of golf. They rely on ultra-dependable equipment to deliver quality greens, fairways and roughs that exceed the expectations of golfers and club members. For more than 70 years, RYAN® has been providing expertly designed, high-performance turf maintenance equipment that is widely known, used and respected throughout the golf industry.

SPORTS TURF/ MUNICIPAL

Athletic and municipal turf is often subject to intense use and constant pounding, and keeping it in peak condition can be a challenge. That's why we design and build turf renovation equipment that effectively handles sports fields and school and park grounds quickly and effectively—and does it again and again, from one season to the next. RYAN® is on your team, keeping your turf performing like a pro.

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MODEL: 554930A

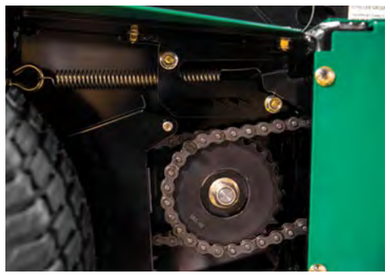
Optional LED light kit extends your workday and productivity during the finite aeration season.

GROUND BREAKING.
NOT BACK BREAKING.

LAWNAIRE ZTS

A new approach to aeration, the Lawnaire® ZTS stand-on aerator grips the terrain and, like you, moves fast. Capable of covering two-and-a-quarter acres per hour at ground speeds up to seven miles per hour, this highly maneuverable machine tackles aeration more nimbly, efficiently and effectively than you've ever seen before. An absolute master of turf aeration, the Lawnaire ZTS improves your profits, and when the job is done, it leaves operators with extra time and energy. Loaded with performance features including a shock-absorbing platform, intuitive controls, an aeration depth control, a rapid hydraulic tine lift, a revolutionary automatic chain-tensioning system and hassle-free access panels, this durable, high-performance machine is ready to go to work for you.

Now you can aerate and overseed with one machine when you capitalize on the versatility of the Lawnaire® ZTS stand-on aerator by installing an optional Spyker 120-pound. commercial electric spreader. It features an exclusive RYAN® mount—no cutting, drilling or fabrication needed—that provides an optimized impeller height for quality spreading. Spreader controls are conveniently located near the control panel for easy operation.



Automatic tensioning on the main drive chains assures proper tension during operation and reduces required maintenance.

Aeration depth control for precision aeration in varying soil conditions; aerates up to 5" deep, in half-inch increments.

Built-in jack stands help to provide easy maintenance, including chain lubrication, tine replacement and changing rear tires.

Open frame design and removable rider pad allows for easy access and maintenance of key components.

The intuitive control panel features a hydraulic pressure gauge with easy-to-read dial for management of down pressure under various soil conditions.

Tine-lift switch to raise and lower tines conveniently located near control lever.

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Lawnaire V *with*
Easy Steer Technology

MODELS: 554910C; 554916D

Lawnaire IV *with*
Easy Steer Technology

MODELS: 554913C; 554914D

PERFORMANCE AND DURABILITY
IN AN EASY-TO-STEER PACKAGE

LAWNAIRE IV & V *WITH* EASY STEER TECHNOLOGY

With the Lawnaire® IV and V aerators *with* Easy Steer Technology, you never have to take the tines out of the ground to steer and turn, so aeration is faster and easier than ever before. With this unique design, each tine assembly rotates independently as you turn for quick and easy maneuvering around flowerbeds, trees and landscape features. When you don't have to raise and lower the aeration tines after each turn, you get done sooner and have more energy at the end of the day.

EASY STEER TECHNOLOGY FOLLOWS YOUR LEAD

Intuitively responsive, the Easy Steer Technology's outer tines rotate faster as the operator steers left or right, embracing the turns while maintaining deep core penetration. The newly redesigned tine assembly allows the user to steer the unit without taking the tines out of the ground. This is accomplished by designing each tine assembly to independently rotate yet be able to drive. The result is higher productivity and less physical stress on the operator.

Easy Steer Technology allows the user to steer the unit without taking the tines out of the ground.

0.75-inch (19 mm) diameter coring tines are made of hardened alloy steel for durability.

Removable weights lighten the load for easier lifting and transporting.

TWO PROVEN PERFORMERS –
YOU CHOOSE THE COVERAGE

LAWNAIRE IV & V

The Lawnaire® IV combines durability and ease of use for effective aeration. Commercial-grade components include a solid-steel axle and hardened-steel coring tines. User-friendly features like the easy-to-operate, handle-mounted throttle make operation easy and comfortable. With a 19-inch swath, you'll aerate up to 29,000 square feet per hour.

The Lawnaire® V has all the outstanding features of the Lawnaire IV, but offers even more productivity. With its 26.5-inch swath and quick ground speeds, you can cover up to 40,000 square feet in an hour. A front bumper guard makes it easy to tie the Lawnaire V down for transportation and protects the unit from damage. You can remove the rear wheels for easy maneuvering in tight areas, such as passing through gates or down narrow paths.

Lawnaire IV
MODELS: 544908A; 544909C

DURABLE, MANEUVERABLE,
GEARED FOR PEAK PRODUCTIVITY

LAWNAIRE 28

With vertical coring action, the reciprocating tines punch straight in and out without tearing the turf. And with this machine, precision goes hand in hand with efficiency. Its 28-inch swath and productive ground speed aerates up to 24,000 square feet per hour. The durable tines aerate down to two and one-half inches, even in hard soil. The durable construction features a reinforced, heavy-gauge steel frame. As for ease of use and comfort, a front caster wheel gives you near zero-turn capability and an isolated handlebar absorbs vibration, making operation and maneuvering almost effortless.

MODEL: 544887

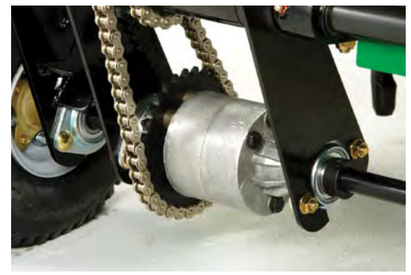
Lawnaire V
MODELS: 544910A; 544911B

The fold-down handle allows the machine to take up less space during transport or storage (Lawnaire IV only).

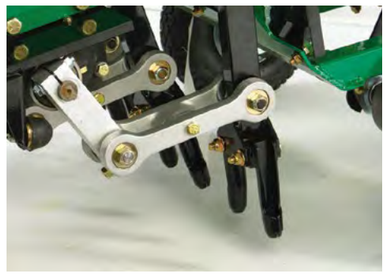
A full water drum increases penetration depth in harder soils.

Weights are easily and conveniently removable for easier lifting and quicker, less strenuous transportation.

A unique front caster wheel allows the machine to maneuver with near zero-turn capability.



The rear-drive differential feature makes it easier to turn and maneuver around trees and landscape features.



Reciprocating tines provide vertical coring action, punching straight in and out without tearing the turf, offering golf course quality results.

The First Name in Turf Renovation™

Lawnaire 3-Point
Hitch Aerator
MODELS: 544859A; 544876A

Lawnaire Tow-Behind Aerator
MODEL: 544860A

Lawnaire Tow-Behind Aerator

VERSATILE "GO-TO" MACHINES
FOR MID-SIZED TURF AREAS AND SPORTS FIELDS

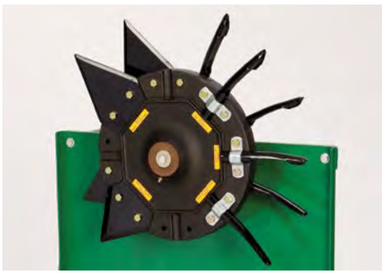
LAWNAIRE 3-POINT HITCH & TOW-BEHIND AERATORS

The popular Lawnaire® 3-Point Hitch is available in 36-inch or 48-inch models. The durable coring tines, spoon tines or slicing knives penetrate densely compacted soil with ease. Compatible with any tractor that has a category "0" or "1" three-point hitch capable of lifting 510 lb (36-inch model) or 710 lb (48-inch model).

The Lawnaire Tow-Behind makes aerating mid-sized turf areas from one to five acres easy. With a 36-inch swath, it can aerate 1.5 acres per hour, quickly and effortlessly. Lifting and lowering the tines is easy with manual, hydraulic and electric lift options.

All tines are constructed of hardened steel and aerate to a depth up to four inches. For added durability and reduced maintenance, these rugged machines have cast-iron tine wheels with bushings and lubrication fittings. Independently mounted tine wheels allow turning while the tines are in the ground, setting the standard in efficiency.

A variety of available lifting mechanisms allows you to easily lift and lower your aerating unit (electric lift shown).



A variety of hardened-steel tines (shown above, listed right) provide years of rugged and dependable service.

TINES

515197*	Tine, Coring 3/4 in. (19 mm), Back Discharge, Thick Wall
515196	Tine, Coring 1/2 in. (13 mm), Back Discharge, Thick Wall
520404	Tine, Spoon

KNIVES

521155	Deep Slicing Knife
515193	Shallow Slicing Knife

*Standard configuration

DESIGNED TO DELIVER
ON CHALLENGING TERRAIN
AND UNDULATING TURF

RENOVAIRE

MODEL: 544317A

With each pair of tine wheels mounted independently from the others, the hard-working Renovaire® aerator follows the contours of the landscape, providing unmatched coring precision on undulating surfaces such as golf course fairways and roughs. With six feet of aerating width and an operating speed of four miles per hour, the Renovaire is capable of completing three acres in a single hour. Your choice of coring tines, spoon tines or slicing knives penetrates to a depth of up to four inches. Each weight tray is capable of holding up to 150 pounds, allowing pristine aeration even in the most heavily compacted soil. Just attach it to any tractor capable of towing 1,600 pounds and get ready to conquer the ups and downs of the most challenging surfaces.

Each weight tray is capable of holding up to 150 pounds for better penetration in heavily compacted soil.

Independently mounted tine wheels follow terrain contours closely for clean, precise aeration of undulated surfaces.

TINES

515197*	Tine, Coring 3/4 in. (19 mm), Back Discharge, Thick Wall
515196	Tine, Coring 1/2 in. (13 mm), Back Discharge, Thick Wall
520404	Tine, Spoon

KNIVES

521155	Deep Slicing Knife
515193	Shallow Slicing Knife

*Standard configuration

72-INCH COVERAGE FOR
LARGE, FLAT, COMPACTED
HIGH-TRAFFIC AREAS

TRACAIRE

Hardened-steel tines aerate up to four inches down into even the most challenging surfaces, helping deep-rooted grass to prosper in even the harshest conditions. An option of coring tines, spoon tines or slicing knives provides versatility, while cast-iron tine wheels with bushings add durability and reduce maintenance. Tow the Tracaire® aerator with any tractor that is capable of towing 1,050 pounds and has a category "1" three-point hitch. You'll marvel at its resiliency—not to mention that of the resulting turf.

MODEL: 544423A

The cast-iron aeration wheels have eight tines per wheel standard. Another eight tines can be installed on the wheel, doubling the amount of material removed during coring.

Effortlessly connect the Tracaire to a wide variety of tractors with its durable three-point hitch configuration.

TINES

515197*	Tine, Coring 3/4 in. (19 mm), Back Discharge, Thick Wall
515196	Tine, Coring 1/2 in. (13 mm), Back Discharge, Thick Wall
520404	Tine, Spoon

KNIVES

521155	Deep Slicing Knife
515193	Shallow Slicing Knife

*Standard configuration

The First Name in Turf Renovation™

AVAILABLE WITH ONE OF THREE REEL OPTIONS:

FIXED BLADES

FLAIL BLADES

SPRING TINES

Ren-O-Thin

MODELS: 554870; 554871; 554872; 554873; 554874; 554875

Ren-O-Thin with optional seed box

Ren-O-Thin with optional seed box

NEWLY REDESIGNED, COMPACT AND ADJUSTABLE FOR OPTIMIZED DETHATCHING

REN-O-THIN POWER RAKE

The Ren-O-Thin® Power Rake offers the kind of performance that boosts your bottom line. An easy-to-operate height adjustment lets you fine-tune depth from 1 inch above the ground to 7/8 inch below. The ergonomic, multi-position handle is designed for different user heights, and it folds for storage and transport. Lift and lock the tines off the ground in transport mode.

An easy-on, easy-off seed box accessory is available with handle-mounted controls to regulate seed flow. Increase your productivity and profitability by dethatching and overseeding in a single pass.

Infinite height adjustment allows you to change the height of the deck to obtain the best performance.

New easy fold-up, fold-down handle allows for easy transporting of the unit (shown with optional seed box accessory).

Bubble shield is new and improved with a simpler design, and it's easier to replace.

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Mataway Overseeder
MODEL: 544873D

Mataway Dethatcher
MODEL: 544283D

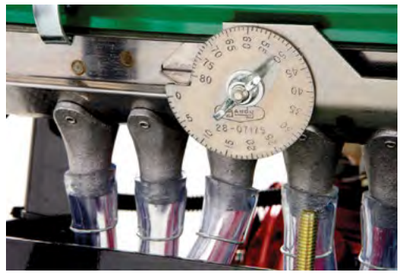
Mataway Overseeder

TOUGH, VERSATILE MACHINES BUILT FOR EFFICIENT MULTITASKING

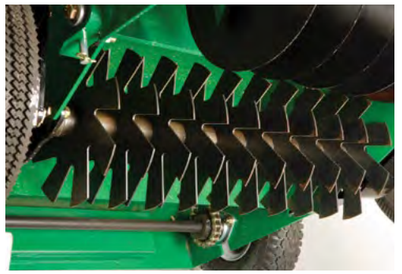
MATAWAY DETHATCHERS & OVERSEEDERS

The Mataway® Overseeder delivers seed straight to the curve-shaped discs, placing it directly into the soil slits for unmatched seed-to-soil contact. The seed flow rate is easily controlled right from the operator's station, and the flow stops automatically when the reel is raised for maximum control and precise operation.

The Mataway® Dethatcher is built for heavy-duty turf renovation and dethatching. This self-propelled workhorse offers user-friendly features like cutting depth control right from the operator's station. Its five different reel types are easily interchangeable. For optimal efficiency, a 19-inch working width allows you to cover up to 18,700 square feet per hour.



The seed rate control allows for seeding at variable rates and for different grass varieties and applications.



Durable cutting blades can be adjusted down to a depth of 1½".

The curved shape of the discs direct the seed into the soil slits for ultimate seed-to-soil contact and maximum germination.

THE LEGENDARY PERFORMANCE YOU COUNT ON,
NOW WITH A HYDROSTATIC DRIVE OPTION

JR. SOD CUTTER

The trusted Jr. Sod Cutter family has grown to include a new model, the Jr. Sod Cutter Hydro, featuring a variable speed hydrostatic transmission. The new Jr. Sod Cutter-Hydro is unmistakably a Ryan® product at its core. The signature cast-iron gear case encloses oil lubricated final drives to the wheels, as well as the cutting blade, for unrivaled durability and performance. The variable speed hydrostatic transmission features forward and reverse drive, independent of the cutting blade, improving ease of use. The new Jr. Sod Cutter-Hydro is available in 18" and 24" models, which enable single pass cuts to conveniently lay out most popular sod widths. When clearing large sections, take advantage of the extra 33.3% cutting width of the 24"model to improve efficiency and complete jobs more quickly!

Both the original Jr. Sod Cutter and the new Jr. Sod Cutter-Hydro sport a host of features designed for more comfortable operation. Both models are equipped with our Ultra-Low Vibration Technology, which reduces hand/arm vibration by 75 percent compared to previous models. A pneumatic rear caster wheel with lockout allows curved landscape or straight cutting with unmatched ease and precision. Our unique blade pitch-angle adjustment allows for more or less aggressive cutting angles as conditions warrant.

True workhorses, both the Jr. Sod Cutter and the Jr. Sod Cutter-Hydro pack the performance, convenience, and reliability you've come to expect from Ryan®.

New Jr. Sod Cutter
Hydro shown below

MODELS: 544951H; 544953C; 544952H; 544954C

HYDRO MODELS: 544961; 544962; 544963

JR. SOD CUTTER ACCESSORIES*

As if the RYAN® Jr. Sod Cutter isn't efficient and versatile enough, a full line of convenient accessories are available to make your job even easier—and more profitable. Each piece of equipment is easy to operate and simple to install. They're the ultimate complement to an already industry-leading machine.

TOTE TRAILER
It takes just one person to load, unload and haul the Lawnaire® IV, Lawnaire® V, or the Jr. Sod Cutter.

MOLE BLADE KIT (WIRE/TUBE PULLER)
Easily bury wire or tubing up to 5" deep with minimal turf disturbance. The wire/tube puller is ideal for landscape lighting, irrigation systems and many other applications.

V-TRENCHER KIT
Install cable and tackle other small- to medium-sized trenching jobs with this user-friendly and cost-effective kit.

Pneumatic, swiveling rear wheel makes it easy to maneuver tightly around turns and cut closely along contoured landscape edges.

Rubber isolation mount absorbs much of the machine's vibration before it ever reaches your hands.

Easy depth and blade-angle adjustment allow precise cutting in a wide variety of landscape contours and soil conditions.

* (available on 18" models only)

A STEADY, DEPENDABLE
SOD CUTTER FOR ANY LARGE JOB

HEAVY-DUTY SOD CUTTER

Large enough to conquer big jobs yet still portable, this unit is ideal for sod farms and sports fields. It is capable of cutting and rolling up to three acres of sod a day. No sod cutter has ever been more user-friendly. Adjust blade depth, change blade angles and control the handle-mounted throttle all from the operator's station. A cutting-depth guide helps ensure that every adjustment is accurate. For added convenience, an automatic sod cut-off allows precise cutting from one to six-foot sod lengths. Want even more efficiency? The Sulky Roller Kit allows you to cut and roll at the same time.

MODELS: 544853G; 544854G

HEAVY-DUTY SOD CUTTER ACCESSORIES

Like the Jr. Sod Cutter, the RYAN® Heavy-Duty Sod Cutter offers a complete line of convenient accessories. These durable, efficient add-ons offer the opportunity to get on and off each job even faster. And with maximized precision, the quality of work will exceed your expectations as well as those of your customers.

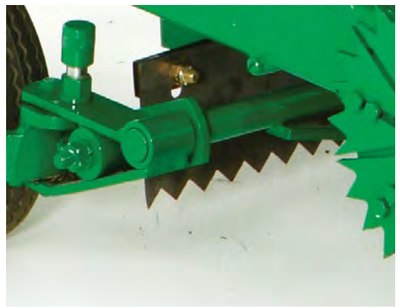
SOD HOLD DOWN SKIDS KIT
The Sod Hold Down Kit keeps the sod from buckling and may be necessary in very sandy soil conditions or when the ground is dry.

ROLL DIVERTER KIT
Working in conjunction with the Sulky Roller, the Roll Diverter Kit moves the rolled sod pieces out of the way so you don't ride over previously cut sod.

SULKY ROLLER
Give your feet a rest with this attachment and precisely cut sod while you take a seat.

Durable cutting blade is easily adjustable down to a depth of 2 ½" and can change angles to match soil and blade conditions.

A forward metering wheel measures accurate sod cut lengths.



Automatic sod cut-off provides precise cutting of sod strips from one to six feet long.

FIND THE RIGHT RYAN® PRODUCT FOR YOU

PRODUCT SPECIFICATIONS

Just short of seeing and testing one in person, our product specifications show you everything you can expect from your RYAN® products. We list everything from standard features and measurements to customizing options, so you can hone in on the perfect machine to get the job done right. Once you find it, all that's left to do is visit a certified RYAN® dealer to make it a reality.

All RYAN® products come with a two-year commercial warranty.
Please ask your local dealer for details, or refer to the product manual.

	Lawnaire® ZTS
Engine	Kawasaki® FS541V
Displacement	30.8 cu in. (603 cc)
Fuel Capacity	5 gal (18.9 L)
Transmission	2 Hydro-Gear® ZT3200™
Hydraulic Oil Capacity	7 qt (6.6 L)
Ground Speed FWD	0-7.4 mph (0-11.9 kph)
Drive Tires & Wheels	18 x 6.50-8; pneumatic
Front Caster Tires & Wheels	13 x 5.00-6; pneumatic
Aeration Width	30 in. (762 mm)
Tines (# of)	48
Tine Down Pressure	0-700 lb (0-318 kg)
Core Depth	2-5 in. (50-127 mm)
Holes Per Square Foot	Up to 5.1 (55/m²)
Width	47.25 in. (1,200 mm)
Length	60.5 in. (1,537 mm) platform up (69.5 in. (1,765 mm) platform down)
Height	48 in. (1,219 mm)
Curb Weight	1,235 lb (560 kg)
Productivity	Up to 97,800 sq ft/hr (9,086 m²/hr)
Options	Light kit, electric spreader (see your dealer for details)

	Mataway® Overseeder
Engine Model	4-cycle Honda® GX390; recoil start; on/off switch; low-oil alert
Displacement	23.7 cu in. (389 cc)
Fuel Capacity	1.6 gal (6.1 L)
Oil Capacity	1.16 qt (1.1 L)
Clutch	Spring-loaded belt tightener
Drive	4L-section V-belt to front wheels by gear box and nickel-plated roller chain; triple 3V-section V-belts engine to reel
Lubrication	Oil splash in gear case, grease fittings elsewhere
Cutting Depth	Adjustable for any desired depth to 1.5 in. (38 mm)
Slicing Width	19 in. (483 mm)
Tires	Front: (2) 4.10/3.50 x 4, 2-ply pneumatic, knob tread; Rear: (2) 4.10/3.50 x 4, 2-ply pneumatic, sawtooth tread
Productivity	Single Pass: 80%; 18,700 sq ft/hr; Double Pass: 80%; 9,400 sq ft/hr
Seeding Blade	(10) 8-point, high-carbon, heat-treated blades, 2 in. (51 mm) spacing
Flail Blade Type	1/8 in. (3 mm) at 1 in. (25 mm) spacing
Fixed Blade Type	1/32 in. (1 mm) at 1/2 in. (13 mm) spacing; 1/32 in. (1 mm) at 1 in. (25 mm) spacing; 1/16 in. (2 mm) at 1 in. (25 mm) spacing; 1/16 in. (2 mm) at 1 1/2 in. (38 mm) spacing
Weight: Wet	453 lb (205 kg) w/o reel
Width	35.5 in. (902 mm)
Length	50 in. (1,270 mm)
Height	44 in. (1,118 mm)

	Ren-O-Thin® Power Rake	Mataway® Dethatcher
HONDA® Engine Model	4-Cycle Honda® GX160; recoil start; on/off switch; low-oil alert	4-cycle Honda® GX390; recoil start; on/off switch; low-oil alert
Displacement	9.9 cu in. (163 cc)	23.7 cu in. (389 cc)
Fuel Capacity	0.82 gal (3 .1 L)	1.6 gal (6.1 L)
Oil Capacity	0.61 qt (0 .58 L)	1.16 qt (1.1 L)
BRIGGS & STRATTON® Engine Model	4-Cycle Vanguard™; Vanguard 200 Model 12V3; Recoil start; cyclonic air cleaner; integrated fuel valve/ engine on/off switch	-
Displacement	12.4 cu in (203cc)	-
Fuel Capacity	0.82 gal (3 .1 L)	-
Oil Capacity	0.61 qt (.58L)	-
Clutch	Spring-loaded belt tightener	
Drive	A-section V-belt from engine to reel	4L-section V-belt to front wheels by gear box and sealed roller chain; triple 3V-section V-belts engine to reel
Tires	(4) 8 x 1.75 semi-pneumatic, smooth tread	Front: (2) 4.10/3.50 x 4, 2-ply pneumatic, knob tread; Rear: (2) 4.10/3.50 x 4, 2-ply pneumatic, sawtooth tread
Cutting Depth	Reel adjustable from 1 in. (25 mm) above ground to 0.875 in. (22 mm) into ground; microscrew adjustment	Adjustable for any desired depth to 1.5 in. (38 mm)
Flail Blade Type	1/8 in. (3 mm) at 1 in. (25 mm) spacing	
Fixed Blade Type	1/8 in. (1 mm) at 1.0 in. (25 mm) spacing	1/32 in. (1 mm) at 1/2 in. (13 mm) spacing; 1/32 in. (1 mm) at 1 in. (25 mm) spacing; 1/16 in. (2 mm) at 1 in. (25 mm) spacing; 1/16 in. (2 mm) at 1 1/2 in. (38 mm) spacing
Spring Type	0.109 in. (2 .76 mm) at 0.75 in. (19 mm) spacing	-
Blades	Hardened, high-carbon steel	-
Weight: Wet	131 lb (60 kg)	376 lb (171 kg) w/o reel
Width	27 in. (686 mm); Operating Width: 18 in. (457 mm)	35.5 in. (902 mm)
Length	55.5 in. (1,410 mm)	50 in. (1,270 mm)
Height	39.0 in. (991 mm)	44 in. (1,118 mm)
Optional Seed Box: Capacity	0.76 cu ft (21.5 L), or 0 .61 bu	-
Optional Seed Box: Weight	30 lb (14 kg)	-
Lubrication	-	Oil splash in gear case, grease fittings elsewhere
Operating Width	19 in. (483 mm)	19 in. (483 mm)
Productivity	-	Single Pass: 80%; 18,700 sq ft/hr; Double Pass: 80%; 9,400 sq ft/hr

	Jr. Sod Cutter	Jr. Sod Cutter - Hydro	Heavy-Duty Sod Cutter
HONDA® Engine Model	4-Cycle Honda® GX160; recoil start; on/off switch; low-oil alert		4-cycle Honda® GX390; recoil start; on/off switch; low-oil alert
Displacement	9.9 cu in. (163 cc)		23.7 cu in. (389 cc)
Fuel Capacity	0.82 gal (3.1 L)		1.6 gal (6 .1 L)
Oil Capacity	0.61 qt (0.58 L)		1.16 qt (1 .1 L)
BRIGGS & STRATTON® Engine Model	4-Cycle Vanguard™; Vanguard 200 Model 12V3; Recoil start; cyclonic air cleaner; integrated fuel valve/engine on/off switch		-
Displacement	12.4 cu in (203cc)		-
Fuel Capacity	0.82 gal. (3.1 L)		-
Oil Capacity	0.61 qt (.58L)		-
Clutch	Spring-loaded belt tightener	-	Spring-loaded belt tightener
Drive	V-belt engine to gear case; double roller chain to blade eccentric shaft; gears and roller chain to traction wheels; transmission has separate dog clutches to engage cutting blade and traction drive	A spring tensioned belt drives a Hydro-Gear® BDU hydrostat that transfers power through an enclosed oil lubricated gear and chain reduction to the drive wheels.	Banded A-section, V-belt engine to gear case; gears and roller chain to drive wheels; gears to blade eccentric shaft; all gears heat-treated; two forward speeds; transmission has dog clutch to disengage blade
Drive Wheel	(2) 8 in. (203 mm) diameter, knob tread; rubber-vulcanized to cast-iron hubs		
Lubrication	Oil splash in gear case; grease fittings elsewhere		
Speed	Up to 135 ft/min (41 m/min)	Up to 352 ft/min (107 m/min)	High Gear: up to 187 ft/min (57 m/min); Low Gear: up to 150 ft/ min (46 m/min)
Cutting Width	12 in. (305 mm) or 18 in. (457 mm)	18 in. (457 mm) or 24 in. (610 mm)	16 in. (406 mm) or 18 in. (457 mm)
Cutting Thickness	Adjustable up to 2.5 in. (64 mm)		
Weight: Wet	12 in. Model: 333 lb (151 kg); 18 in. Model: 373 lb (169 kg)	18 in. Model: 380 lb (172 kg); 24 in Model: 398 lb (181 kg)	16 in. Model: 551 lb (250 kg); 18 in. Model: 556 lb (252 kg)
Width	25 in. (635 mm)		31 in. (787 mm)
Length	53 in. (1,346 mm)	52.5 in. (1334 mm)	78 in. (1,981 mm)
Height	40 in. (1,016 mm)	35.5 in. (902 mm)	36 in. (914 mm)
Auto Cut-off	-	-	Roller chain drive; friction disc clutch and brake; sod-strip length adjustable from 1 ft (305 mm) to 6 ft (1,829 mm)
Tires	Rear: 9 x 3.50-4 with sealed ball bearings		Rear: 2.80/2.50 x 4 with sealed roller bearings

	Lawnaire® IV w/ EST	Lawnaire® V w/ EST	Lawnaire® IV	Lawnaire® V	Lawnaire® 28
HONDA® Engine Model	4-cycle Honda® GX120; recoil start; on/off switch; low-oil alert				4-cycle, Honda® GX200; recoil start; on/off switch; low-oil alert
Displacement	7.2 cu in. (118 cc)				12 cu in. (196 cc)
Fuel Capacity	0.53 gal (2 L)				0.82 gal (3.1 L)
Oil Capacity	0.59 qt (0.56 L)				0.63 qt (0.6 L)
BRIGGS & STRATTON® Engine Model	4-Cycle Vanguard™; Vanguard 200 Model 12V3; Recoil start; cyclonic air cleaner; integrated fuel valve/ engine on/off switch				-
Displacement	12.4 cu in (203cc)				-
Fuel Capacity	0.82 gal. (3.1L)				-
Oil Capacity	0.61 qt (.58L)				-
Clutch	Belt tightener				
Drive: Primary	4L section V-belt				Wheels: A-section V-belt, #40 nickel-plated roller chain
Drive: Tine & Drum	Single #40 nickel-plated chain				Tine: B-section V-belt, #50 nickel-plated roller chain
Tines	0.75 in. (19 mm) diameter coring-type formed from 0.08 in. (2 mm) hollow, hardened alloy steel				Hollow, tapered, hardened steel
# of Tines	30 tines per aerator	42 tines per aerator	30 tines per aerator	42 tines per aerator	4 arms, 2 tines per arm
Lubrication	Grease fittings on the wheels, tine wheels & idler pivot/oil chain		Grease fittings on the wheels & idler pivot/oil chain		5 grease fittings
Coring Depth	Up to 2.75 in. (70 mm)				Up to 2.5 in. (64mm)
Core Diameter	0.75 in. (19 mm)				
Aeration Pattern	3.75 in. x 7 in. (95 mm x 178 mm)				3.5 in. x 5 in. (89 mm x 127 mm)
Aerating Width	19 in. (483 mm)	26.5 in. (673 mm)	19 in. (483 mm)	26.5 in. (673 mm)	28 in. (711 mm)
Holes Per Square Foot (single pass)	Up to 9 per sq ft (59/m²)				Up to 12 per sq ft (88/m²)
Productivity	Aerates up to 29,000 sq ft/hr (2,694 m²/hr) at 3.5 mph	Aerates up to 40,000 sq ft/hr (3,716 m²/hr) at 3.5 mph	Aerates up to 29,000 sq ft/hr (2,694 m²/hr) at 3.5 mph	Aerates up to 40,000 sq ft/hr (3,716 m²/hr) at 3.5 mph	Aerates up to 24,000 sq ft/hr (2,230 m²/hr)
Tires	(2) 8 x 2.25 semi-pneumatic w/ ball bearings				Front: 4.10/3.50 x 4, 4-ply; Back: 2.80/2.50 x 4, 4-ply
Weight: Wet	220 lb (100 kg)	250 lb (113 kg)	214 lb (97 kg)	241 lb (109 kg)	411 lb (186 kg)
Weight: Wet w/ Weights	261 lb (118 kg)	292 lb (132 kg)	255 lb (116 kg)	283 lb (128 kg)	-
Weight: Wet w/Weights & Water in Drum	304 lb (138 kg)	357 lb (162 kg)	298 lb (135 kg)	348 lb (156 kg)	-
Width	28 in. (711 mm)	35.5 in. (902 mm)	28 in. (711 mm)	35.5 in. (902 mm)	34 in. (864 mm)
Length	53.5 in. (1,359 mm)				56 in. (1,422 mm)
Height	48.8 in. (1,240 mm); 30 in. (762 mm) w/ handle folded	48.5 in. (1,232 mm)	48.8 in. (1,240 mm); 30 in. (762 mm) w/ handle folded	48.5 in. (1,232 mm)	48 in. (1,219 mm)
Reversing Gearbox	-				Oil bath
Differential	-				Grease
Transport	-				2.1 mph (3.4 km/h)
Brakes	-				Automatic parking brake
Handles	-				Rubber isolated handlebars
Bearings	-				Sealed precision bearings

	Lawnaire® 3-Point Hitch	Lawnaire® Tow-Behind	Tracaire®	Renovaire®
Frame	1.5 in. (38 mm) sq x 0.1875 in. (5 mm) wall tube		2 in. steel, 80 pipe	
Hitch	Category "0" or "1"	Clevis and pin type	Standard 3-point tractor hitch, category "1"	Clevis and pin type
Aerating Wheel Axle	1.25 in. (32 mm) diameter			
Transport Wheel Axle	-	0.75 in. (19 mm) diameter	-	-
Aerating Wheels	Cast iron with sintered bushings; pressure lubrication fitting; grooved for mounting aerating tines on both sides; each wheel weighs 75 lb (34 kg)			
Tines	8 per wheel (48 on 36 in.; 64 on 48 in.); one set of 0.75 in. (19 mm) diameter coring tines standard; wheels can be mounted with double tines; 16 per wheel	8 per wheel (48 total); one set 0.75 in. (19 mm) diameter coring tines standard, tines are formed from austemper-hardened alloy steel; wheels can be mounted with double tines, 16 per wheel (96 total)	8 per wheel (96 total); standard one set 0.75 in. (19 mm) coring; wheels can be mounted with double set of tines, 16 per wheel (192 total)	
Coring Depth	Up to 4 in. (102 mm)			
Aerating Width	36 in. Model: 36 in. (914 mm); 48 in. Model: 48 in. (1,219 mm)	36 in. (914 mm)	72 in. (1,829 mm)	
Aeration Pattern	6 in. x 6 in. (152 mm x 152 mm) with single tines; 3 in. x 3 in. (76 mm x 76 mm) with double tines			
Holes Per Square Foot	Up to 9 (43/m²) with single tines; up to 18 (86/m²) with double tines			
Weight	36 in. Model: 510 lb (231 kg); 48 in. Model: 710 lb (322 kg)	500 lb (227 kg)	1,050 lb (476 kg)	1,518 lb (689 kg)
Width	36 in. Model: 35 in. (889 mm); 48 in. Model: 47 in. (1,194 mm)	46 in. (1.2 m)	78 in. (1,981 mm)	96 in. (2,438 mm)
Length	31 in. (787 mm)	68.5 in. (1.7 m)	48 in. (1,219 mm)	60 in. (1,524 mm)
Height	34.5 in. (876 mm)	31 in. (787 mm)	24 in. (610 mm)	36 in. (914 mm)
Productivity	36 in. Model: Up to 1.5 acres/hr (0.6 ha/hr) at 4 mph (6 km/hr); 48 in. Model: Up to 1.9 acres/hr (0.8 ha/hr) at 4 mph (6 km/hr)	Up to 1.5 acres/hr (0.6 ha/hr) at 4 mph (6 km/hr)	Up to 3 acres/hr (1.2 ha/hr) at 4 mph (6 km/hr)	
Towing Speed	-	10 mph (16 km/hr) max	-	10 mph (16 km/hr) max
Transport Lift	-	Wheels are pivotable about extended axle shaft using removable lever or 700 psi hydraulic lift	-	Hydraulic cylinder
Transport Tires	-	4.10/3.50-4, 2-ply semi-pneumatic tires with ball bearings	-	16 x 4.80-8, 6-ply
Options*	-	Hydraulic, electric or manual lift	-	Manual hydraulic pump
Power	Tractor mounted	Tractor-draw	Tractor mounted	Tractor-draw
Lubrication	Pressure grease fittings at tine wheels	Pressure grease fittings at tine wheels and wheels	Pressure grease fittings at pivot points and tine wheels	
Weight Tray	-			Set of 6 included

*1/2", 3/4" coring tines, spoon tines and deep/shallow slicing knives available for pull-behind aerators.

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NOTES

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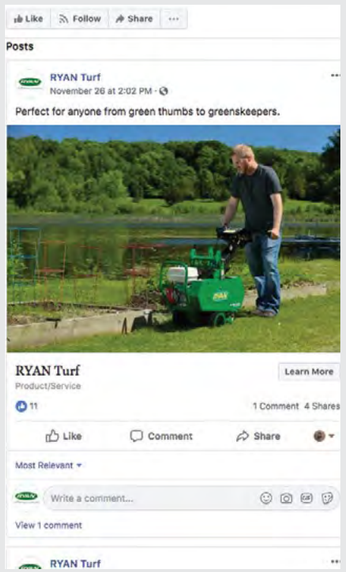

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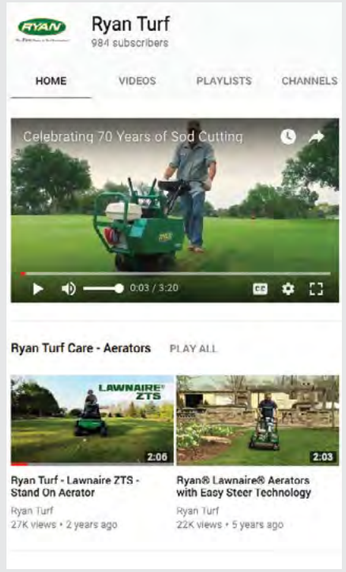

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