

MEGA TURF RIG

Commercial Sprayer + Spreader Attachment

SPRAY. SPREAD. ONE RIG. Read this manual before installation or operation. Keep it with the machine for future reference.

REV A | 2026

Before You Operate

The Mega Turf Rig combines a liquid spray system and a granular broadcast spreader into one attachment. Safe, accurate application depends on correct mounting, calibration, material selection, operating speed, and maintenance.

IMPORTANT This manual covers the Turf Rig attachment. Always follow the mower manufacturer's instructions and the label directions for every seed, fertilizer, herbicide, pesticide, or other product being applied.

Operator Responsibility

- Read and understand this manual before use.
- Use only compatible liquid and granular products.
- Wear the personal protective equipment required by the product label.
- Keep children and bystanders away from the operating area.
- Calibrate the sprayer and spreader before applying product.
- Stop the mower, set the parking brake, shut off power, and allow moving parts to stop before service or adjustment.

Safety Symbols Used in This Manual

Signal	Meaning
DANGER	Indicates a hazardous situation that can result in death or serious injury.
WARNING	Indicates a hazardous situation that could result in death or serious injury.
CAUTION	Indicates a situation that may result in minor injury or equipment damage.
NOTICE	Highlights important setup, calibration, maintenance, or operating information.

Safety

Spreader Safety

- Wear protective eyewear while operating the spreader.
- Never place a hand on or near the spinner plate while it is operating.
- Keep loose clothing, hands, feet, and tools away from the spinner and moving components.
- Do not clear a blockage while the spinner is powered.

Sprayer Safety

- Read and follow the chemical manufacturer's label, mixing directions, PPE requirements, and disposal instructions.
- Do not spray people, animals, open water, or non-target areas.
- Avoid spraying when wind or conditions could cause drift outside the intended treatment area.
- Relieve system pressure and disconnect electrical power before servicing hoses, fittings, pump, wand, or nozzles.
- Never use a chemical that is incompatible with the tank, pump, hose, seals, fittings, or nozzles.

Mower & Attachment Safety

- Use only the correct Turf Rig fitment/mounting components for the mower.
- Confirm all pins, fasteners, electrical connections, hoses, and retaining devices are secure before use.
- Verify the attachment does not interfere with tires, controls, exhaust, mower deck movement, or operator access.
- Operate at a controlled speed and reduce speed on slopes, rough ground, turns, curbs, and transitions.

WARNING Liquid and granular loads change mower weight and handling. Follow the mower manufacturer's slope and load limitations.

Product Overview

Turf Rig is designed to add commercial spraying and granular spreading capability to a compatible stand-on mower.

Specification	Turf Rig
Liquid capacity	12 gal total - two 6 gal tanks
Granular hopper capacity	50 lb
Pump	1.8 GPM
Broadcast spray nozzles	Two TT11002 Turbo TeeJet nozzles
Nominal spray coverage	Approx. 60 in. system coverage
Hand wand	Included
Granular broadcast pattern	Approx. 20 ft, material/condition dependent
Suggested spreader travel speed	3-5 MPH

Main Components

- Left and right 6-gallon liquid tanks
- 50 lb granular hopper
- Spreader motor housing and spinner
- Adjustable granular flow opening
- 1.8 GPM spray pump
- Two TT11002 broadcast spray tips
- Hand spray wand and hose
- Turf Rig frame and mower-specific mounting components
- Electrical harness and controls

FITMENT Fitment varies by mower model and year. Use the mounting setup supplied for the selected mower and contact Mega Attachments if compatibility is uncertain.

Installation & Pre-Operation

Mounting

1. Park the mower on a firm, level surface. Shut the engine off, set the parking brake, and remove the key.
2. Inspect the Turf Rig frame and mower-specific mount for damage or missing hardware.
3. Install the mounting components supplied for the mower fitment.
4. Attach the Turf Rig and fully secure all pins, retainers, and fasteners.
5. Route the electrical harness and hoses away from heat, sharp edges, tires, belts, and moving parts.
6. Connect the electrical system using the supplied connection method.
7. Verify full clearance through normal mower movement and steering before loading material.

Before Every Use

- Check mounting pins and fasteners.
- Inspect tanks, caps, hoses, fittings, pump, wand, and nozzles for leaks or damage.
- Inspect hopper, motor housing, spinner, and flow opening.
- Confirm wiring is secure and protected.
- Make sure the hopper and tanks are clean before adding product.
- Perform a water-only sprayer test after service, storage, or nozzle changes.

DO NOT GUESS If the supplied mounting hardware or electrical connection does not match the mower, stop installation and contact Mega Attachments.

Operating the Sprayer

Startup

8. Confirm the liquid product is approved for the intended application and compatible with the sprayer components.
9. With the pump off, add the required amount of clean water and product according to the product label.
10. Secure tank caps and inspect the system for leaks.
11. Move to a safe test area and switch the spray system on.
12. Verify both broadcast nozzles have a clean, even pattern before application.
13. Operate at the calibrated speed and pressure/output used during calibration.

Broadcast Spraying

The Turf Rig uses two TT11002 Turbo TeeJet wide-angle flat spray tips. TeeJet identifies TT11002 as a 50-mesh-filter tip and lists a 110-degree spray angle for the Turbo TeeJet family. The nozzle manufacturer's published flow changes with pressure, so application rate must be calibrated to the Turf Rig as installed.

Hand Wand

- Use the hand wand for controlled spot applications and areas outside the broadcast path.
- Keep the wand pointed away from the operator and bystanders.
- Return the wand securely to its holder before driving.

After Spraying

14. Turn the pump off.
15. Follow the product label for rinsing, cleanup, and disposal.
16. Flush the tank, pump, hoses, wand, and nozzles with clean water when appropriate for the product used.
17. Inspect for leaks, damage, or residue before storage.

TT11002 Nozzle Reference

The table below is a nozzle-output reference from TeeJet for one TT11002 tip. Turf Rig uses two tips, so the theoretical combined nozzle flow is twice the per-tip value. Actual system output should always be measured during calibration.

Pressure	Droplet Class	One Tip	Two Tips (theoretical)
15 PSI	Very Coarse	0.12 GPM	0.24 GPM
20 PSI	Very Coarse	0.14 GPM	0.28 GPM
30 PSI	Coarse	0.17 GPM	0.34 GPM
40 PSI	Medium	0.20 GPM	0.40 GPM
50 PSI	Medium	0.22 GPM	0.44 GPM
60 PSI	Medium	0.24 GPM	0.48 GPM

Nozzle Care

- Keep the recommended 50-mesh filtration in place for TT11002 tips.
- Inspect both tips for damage, wear, buildup, or an uneven pattern.
- Clean tips with clean water and a soft non-metallic brush. Do not use wire or hard objects that can damage the orifice.
- If output differs noticeably between tips after cleaning, inspect or replace the affected tip.

CALIBRATION MATTERS Do not select an application rate from nozzle pressure alone. Measure actual Turf Rig output and match it to the product label and intended coverage.

Sprayer Calibration

Calibrate with clean water before applying chemical. Use the same nozzle setup, operating speed, and system settings that will be used during application.

Simple Area Method

18. Measure a known test area, such as 1,000 sq. ft.
19. Fill the tanks to a known level or measure the starting volume.
20. Drive the test area at the exact speed you plan to use while spraying.
21. Measure the amount of water used.
22. The gallons used over 1,000 sq. ft. is your application rate in gallons per 1,000 sq. ft.
23. Adjust speed or system output as needed, then repeat until the desired rate is achieved.

Output Check

To compare the two nozzles, collect each nozzle's output for the same timed interval. The two measured amounts should be close. A large difference indicates a clogged, damaged, worn, or incorrectly installed tip.

RECORD YOUR SETUP Write down the product, speed, output, and resulting application rate. Recheck calibration after changing nozzles, plumbing, pump settings, or operating speed.

Calibration Record	Value
Product / mix	
Test area	1,000 sq. ft. / other: _____
Travel speed	_____ MPH
Water used	_____ gal
Rate	_____ gal / 1,000 sq. ft.
Date / operator	_____

Operating the Spreader

Loading

- Use clean, dry, free-flowing seed or compatible granular material.
- Break up clumps before loading.
- Do not exceed the 50 lb hopper capacity.
- Keep moisture out of the hopper whenever possible.

Flow Opening Adjustment

1. The spreader flow opening is measured from the top of the coupling to the bottom of the black polynut.
2. Turn the spreader off and wait for the spinner to stop.
3. Loosen the four wingnuts on the motor housing.
4. To DECREASE flow, raise the motor housing.
5. To INCREASE flow, lower the motor housing.
6. Measure the flow opening and retighten all four wingnuts.
7. After finding a repeatable setting, mark the housing for future reference.

Operating Guidance

- The source spreader chart recommends 3-5 MPH as a starting travel-speed range.
- The broadcast pattern is approximately 20 ft and varies with material, granule size, density, spinner speed, wind, and operating conditions.
- Calibrate every product before treating a property.

WARNING Wear protective eyewear. Never place your hand on or near the spinner plate while the spreader is operating.

Seed & Fertilizer Starting Guide

Use the chart below as the starting flow-opening setting for common turf grass seed and fertilizer. Calibrate the Turf Rig with the actual product being applied before treating a property.

Material	Turf Rig Starting Flow Opening
Kentucky Bluegrass	1/32"
Tall Fescue	1/16"
Perennial Ryegrass	1/16"
Fine Fescue	1/16"
Creeping Bentgrass	1/32"
Bermuda Grass	1/32"
Zoysia Grass	1/16"
St. Augustine Grass	1/16"
Centipede Grass	1/16"
Bahia Grass	1/16"
Fertilizer	1/8"

Flow Opening Adjustment

24. Turn the spreader off and wait for the spinner to stop.
25. Loosen the four wingnuts on the motor housing.
26. To DECREASE flow, raise the motor housing.
27. To INCREASE flow, lower the motor housing.
28. Measure the flow opening from the top of the coupling to the bottom of the black polynut.
29. Retighten all four wingnuts before operation.

STARTING SETTINGS Seed size, coating, moisture, product blend, desired application rate, and travel speed can affect actual output. Calibrate before use.

Spreader Calibration

Catch-Test Method

30. Choose the material and target application rate from the material manufacturer's label.
31. Set an initial flow opening using the starting guide or the largest-granule method.
32. Select a consistent operating speed within the intended working range.
33. Collect the material discharged over a known distance or known area.
34. Weigh the collected material.
35. Compare the measured output with the target rate.
36. Raise the motor housing to reduce flow or lower it to increase flow.
37. Repeat the test until the measured rate is correct.

Calibration Record

Item	Record
Material / brand	
Target rate	_____ lb / 1,000 sq. ft. or acre
Flow opening	_____ in.
Travel speed	_____ MPH
Measured output	_____ lb
Broadcast width used	_____ ft
Date / operator	_____
CONSISTENCY Keep travel speed, material condition, flow opening, and spinner operation consistent. Recalibrate when the product or conditions change.	

Cleaning & Maintenance

After Each Use

- Empty remaining granular material from the hopper according to the product label and local requirements.
- Keep the hopper, funnel, spinner, and flow-opening area clean and dry.
- Clean liquid-system residue using the product label's cleanup instructions.
- Flush with clean water when appropriate for the product used.
- Inspect hoses, fittings, wiring, mounting points, spinner, and nozzles.

Periodic Inspection

Component	Check
Mount / frame	Loose fasteners, cracks, damage, abnormal movement
Hopper / flow opening	Buildup, wear, free movement, secure wingnuts
Spinner	Damage, buildup, free rotation
Tanks / caps	Leaks, cracks, secure caps
Pump / plumbing	Leaks, unusual noise, damaged hose or fittings
Nozzles / filters	Pattern, blockage, wear, cleanliness
Electrical	Damaged wire, loose connector, abrasion, heat exposure
Hand wand	Leaks, trigger operation, hose condition

Storage

- Store the Turf Rig clean and dry.
- Do not leave fertilizer or seed in the hopper during long-term storage.
- Drain liquid from the system before freezing conditions.
- Follow pump and chemical-product instructions for winterization.
- Protect electrical connectors from moisture and corrosion.

Troubleshooting

Problem	Check
Pump does not run	Power connection, switch, fuse/protection, wiring, pump connection
Pump runs but no spray	Tank level, suction path, blockage, filter, hose routing, nozzle blockage
Uneven spray pattern	Dirty/damaged nozzle, filter restriction, unequal output, nozzle alignment
One nozzle weak	Tip/filter blockage, kinked hose, fitting restriction, damaged tip
Spreader does not run	Power connection, switch, wiring, motor connection, jammed spinner
Granular flow too low	Opening too small, clumped material, blocked funnel, low spinner operation
Granular flow too high	Opening too large, travel speed too slow, calibration incorrect
Uneven spread	Material condition, spinner buildup, wind, inconsistent speed, incorrect calibration

Before Requesting Service

- Record the mower make/model/year and Turf Rig fitment.
- Take clear photos of the complete installation and affected component.
- Record the product being applied and the operating conditions.
- Do not continue operating a damaged attachment.

Warranty & Support

Commercial Warranty

Mega Attachments provides a 1-year commercial warranty for covered products. Warranty coverage is subject to Mega Attachments' current warranty terms, exclusions, and claim requirements.

Warranty Does Not Replace

- Routine cleaning, calibration, and maintenance.
- Chemical compatibility requirements.
- Wear items or damage caused by misuse, improper installation, overloading, collision, modification, or operation outside published instructions.

Support Information

Product	Mega Turf Rig
Serial / order number	
Purchase date	
Mower make / model	
Mower year	
Owner	

NEED HELP? Contact Mega Attachments with your order information, mower fitment, photos, and a description of the issue so the team can help identify the correct next step.

Quick Reference

Task	Reference
Liquid capacity	12 gal total
Granular capacity	50 lb
Pump	1.8 GPM
Spray tips	2 x TT11002 Turbo TeeJet
TT11002 filtration	50 mesh
Nominal Turf Rig spray coverage	Approx. 60 in.
Approx. granular pattern	20 ft
Suggested spreader speed	3-5 MPH
Decrease granular flow	Raise motor housing
Increase granular flow	Lower motor housing

Before You Leave the Shop

- Mount secure
- Electrical connections secure
- No leaks
- Nozzle pattern checked
- Spinner clear
- Correct product loaded
- Calibration confirmed
- PPE on hand

SPRAY. SPREAD. ONE RIG.

MEGA ATTACHMENTS