



MAINTENANCE GUIDELINES

**YOU BOUGHT THE BEST
NOW GIVE IT THE CARE IT DESERVES**



WELCOME TO FIELDTURF!

It is my great pleasure to count you as part of the ever growing FieldTurf family. We're honored that you've chosen us to surface your facility with our world-class leading systems.

Proper maintenance will not only keep your field looking and playing at its best, but first and foremost it will provide your athletes with a playing surface that will assist them to perform at the peak of their abilities. At this time we invite you to read through our Maintenance Guidelines and keep them as a reference, when needed.

Have a question? Our dedicated team is here to help.

Phone: 1-877-725-TURF (8873)
E-Mail: customerservice@fieldturf.com

Again, thank you for being part of the family!

Sincerely,

Eric Daliere
President

CONNECT WITH YOUR FIELD

Join our exclusive customer program

CUSTOMER  CONNECT

Please visit fieldturf.com
to sign up for this exclusive online aid for tips
and information on overall care of your FieldTurf field.



GETTING STARTED - THE ESSENTIALS

Maintenance Guidelines Acceptance Form

Ensure that the Maintenance Guidelines are read and understood by the proper maintenance personnel and that a copy of the Acceptance Form is signed and sent back to FieldTurf within 30 days of completed installation.

FIELDTURF OWNER’S MANUAL ACCEPTANCE FORM

Field Name: _____

Field Location: _____

Owner Representatives Presen: (Name & Title)

1. _____

2. _____

3. _____

4. _____

Training Session:

Date provided: _____

Duration: _____

The following were reviewed during the session:

☐ fieldTurf Maintenance Guidlines

☐ BARS

☐ Infill Replenishment Practices (High Traffic Areas)

☐ FieldCare – New Field Program Offer

Description of Equipment Provided: _____

☐ Maintenance equipment assembled by installation crew

☐ Equipment demonstration set up on utility vehicle provided by field owner

☐ Field maintenance training provided by installer with “Field Demo”

| | Quantity Stock |
|---------------------------|----------------------|
| field rolls – quantity: | <input type="text"/> |
| Sand – quantity (tons): | <input type="text"/> |
| Rubber – quantity (tons): | <input type="text"/> |
| Colored turf: | <input type="text"/> |
| Colored turf: | <input type="text"/> |
| Colored turf: | <input type="text"/> |
| Colored turf: | <input type="text"/> |
| other: | <input type="text"/> |
| Date received | <input type="text"/> |
| maintenance equipment: | <input type="text"/> |

I, the undersigned, acknowledge having received the FieldTurf Owner’s Manual for the product purchased by the Owner. By signing this document the Owner confirms that the above listed items have been provided/completed in conformance with the project requirements and delivered/accepted by the Owner.

Please give original copy to FieldTurf Representative and keep a photocopy for your records. Read, Agreed and Accepted

Authorized Personnel Name: _____

Authorized Signature: _____

Organization: _____

Date Submitted: _____

Installation Foreman: _____

Foreman Signature: _____

Certified Installer’s Company: _____

MAINTENANCE LOG

Make sure all maintenance is done on a timely basis, and use our maintenance log chart to keep an up-to-date reference of all work done on your field. This will help you keep a record of all maintenance procedures performed.

OFFICIAL FIELDTURF MAINTENANCE LOG

Date Form Submitted (M/D/Y): _____

Organization: _____

Name of Field: _____

Name of Maintainer: _____

| stages | date | name | signature |
|---|---------|------|-----------|
| Surface Brushing Recommended Frequency: Every 4-6 weeks | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| Surface Aerating Recommended Frequency: Maximum 2-3 times/year (beginning in 2nd year) | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| Surface Raking Recommended Frequency: Every 4-6 weeks | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| Surface Sweeping Recommended Frequency: As needed | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| Additional Maintenance Activities (specify) Recommended Frequency: As needed | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| Complete Inspection of Line Markings, Seams and High Traffic Areas Recommended Frequency: As needed | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| Infill Top Dressing (high-traffic areas) Recommended Frequency: As needed | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| Snow Removal Recommended Frequency: As needed | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |
| | (M/D/Y) | | |

There are three ways to submit this completed form:

1. Fax: 514-340-9374

2. Email: customerservice@fieldturf.com

3. Physical Mail: 7445 Côte-de-Liesse Road Suite 200, Montreal Quebec H4T 1G2 Canada

An editable copy of the FieldTurf Maintenance log can be downloaded at: customerconnect.fieldturf.com



THERE ARE 4 BASIC MAINTENANCE OPERATIONS THAT ALL FIELDTURF FIELDS REQUIRE ACCORDING TO OUR RECOMMENDED MAINTENANCE SCHEDULE.

WE SIMPLY CALL IT BARS
BRUSHING, AERATING, RAKING AND SWEEPING.

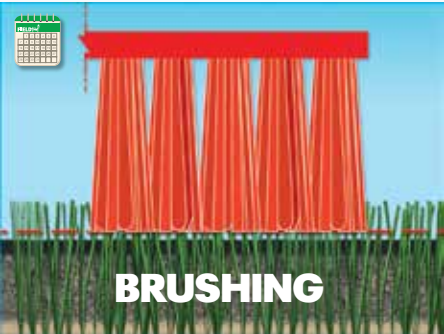
TOW VEHICLES: The minimum requirement to pull groomers and sweepers should be vehicles that have at least 20HP and be equipped with Turf tires. Vehicles should not exceed 70 PSI / 10,080 PSF of pressure on the Turf/Base system. Hydraulic capabilities are not necessary with any of FieldTurf’s current Groomers or Sweepers as all are mechanically driven.

SETTING SWEEPERS: When setting Sweepers for use, make sure that the brushes never penetrate the infill. Proper removal of debris will only require the brushes to penetrate the top of the fibers.

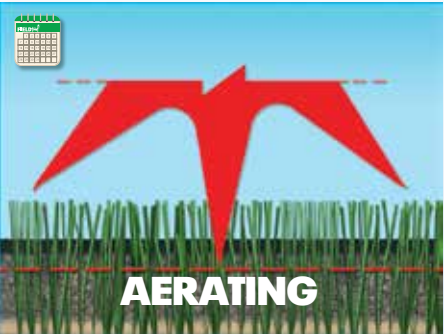
SETTING GROOMERS: When setting the Groomer components for use, the rotating tines should penetrate the infill by 3/4”. The rakes should penetrate the infill by 1/2”. The brushes should not penetrate the infill.

N.B. If you are subscribed to a Field Care Program, please consult your Field Care Manager for recommended grooming frequencies. Grooming systems equipped with internal/external rotary brushes should be limited to frequencies of 2-3 times per year.

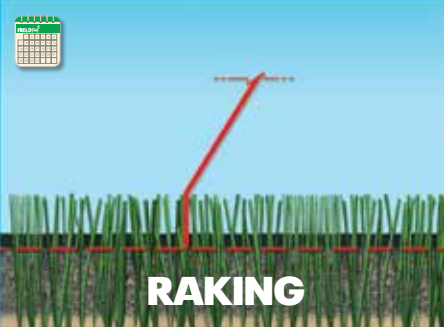
A SUMMARY OF THE STEPS TO FOLLOW FOR LONG-LASTING PERFORMANCE



Brushing
Rejuvenates the matted fibers and levels the top portion of the infill.
EVERY 4-6 WEEKS



Aerating
Rotating tines are designed to penetrate and loosen the infill to avoid minor compaction.
MAXIMUM 3 TIMES/YEAR (BEGINNING 2ND YEAR)



Raking
Prevents fibers from matting down and ensures that the infill is loosened.
EVERY 4-6 WEEKS



Sweeping
A clean field ensures that foreign material or debris does not get into the infill.
AS NEEDED

OTHER NECESSARY MAINTENANCE PROCEDURES SHOULD BE DONE PERIODICALLY AND ACCORDING TO USAGE.

INSPECT LINES & MARKINGS

It is important to notify our Customer Service department if any line markings or seams come apart.

AS NEEDED



INFILL TOPDRESSING

Adding rubber to the top layer of infill may be necessary in high traffic areas.

AS NEEDED



SNOW REMOVAL

If you need to remove snow from your field, adhering to proper guidelines is vital. (See page 38)

AS NEEDED



FIELD COVERING

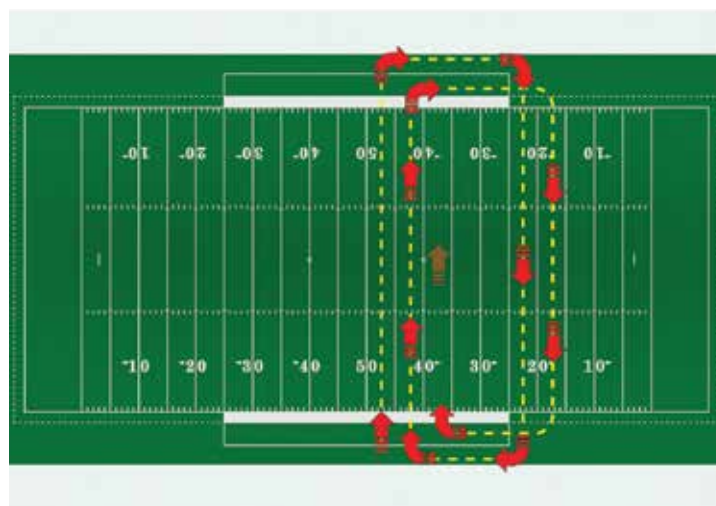
Use FieldTurf Armour protection systems for any events that require field covering and vehicle access. (See page 23-28)





DIRECTION OF OPERATION

This diagram indicates the ideal method of operation for all FieldTurf machines and BARS procedures. Starting on the sidelines at the edge of the center of the field, cross the field from one side to the other in a straight line. Then go down the sidelines 25 yards and cross the field again to the other side. Next, go up the field 20 yards and cross the field again. Repeat this procedure from the center to both ends of the field until the grooming is complete. Rotating start position and end direction is recommended. The last passes should be end to end on the side panels.



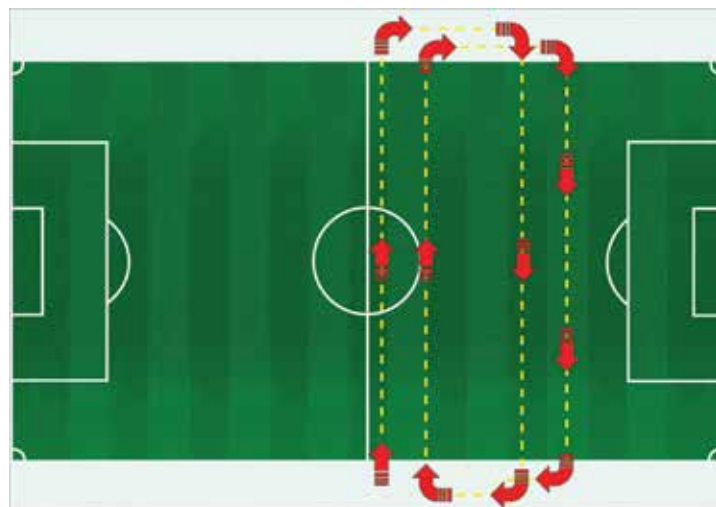
FOOTBALL

KEY FACTS ABOUT FIELDTURF MAINTENANCE EQUIPMENT

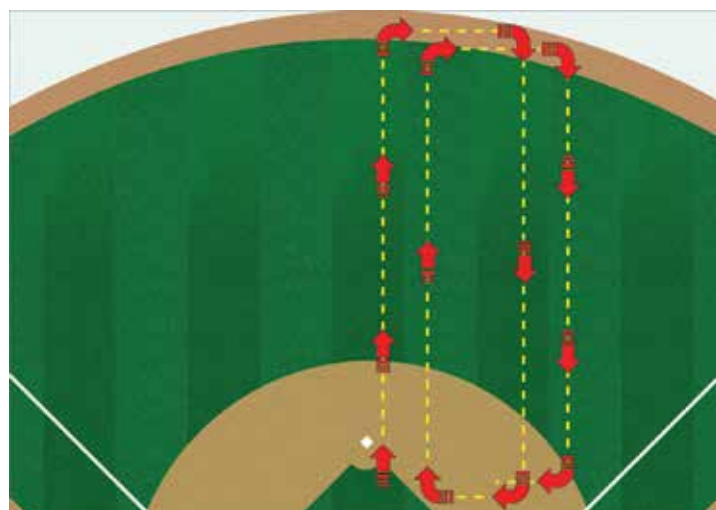


IMPROPER USE CAN DAMAGE YOUR EQUIPMENT AND YOUR FIELD. PLEASE TAKE NOTE OF THE FOLLOWING KEY FACTS:

- Make sure all equipment is clean before entering the field
- Do not operate any equipment until it is on the field
- Do not operate any equipment while in a stationary position
- Always turn off equipment just before stopping
- When sweeping, check your collector basket immediately after starting and do so often
- Collecting too much rubber while sweeping will indicate improper settings
- Pay special attention to high traffic areas, where the fibers and infill levels may be different from other parts of the field, and adjust your settings accordingly. As with any equipment, always read the manual before operating.



SOCCER



BASEBALL

APPROVED ACTIVITIES

OUR FIELDTURF SURFACE HAS BEEN DESIGNED FOR THE FOLLOWING APPROVED AND PERMITTED ACTIVITIES, IN ADDITION TO A WIDE RANGE OF NON-SPORTING ACTIVITIES:

Athletics such as shot put, hammer throw, discus and even javelin (fitted with a rubber tip), can be occasionally performed on FieldTurf. Ideally, the landing area should be outside the playing area but if unavoidable the field should be covered with alternative covering to prevent damage to the FieldTurf surface.

To insure optimum performance of your FieldTurf field we recommend that repetitive training drills and activities be rotated to prevent continuous wear at a single location.

- Football
- Field Hockey
- Baseball/Softball
- Lacrosse
- Soccer
- Rugby
- Physical Education
- Pedestrian traffic
- Graduation
- Concerts
- Events
- Outdoor Ice Hockey Games



PROHIBITIONS

Your FieldTurf field should be kept free from food, gum, sunflower seeds, glass, cigarettes, fireworks, driving stakes and any sharp objects that will risk damage to the field and injury to players. Your field should also be kept free from debris, leaves, paper and windblown material. It is imperative that your FieldTurf field be a designated non-smoking area. Unauthorized maintenance equipment and personnel are prohibited.

FIELDTURF SUPPLIES ITS CLIENTS WITH 2 COMPLIMENTARY SIGNS TO HANG AT THE ENTRANCE OF THE FIELD AND AROUND THE PERIMETER IN ORDER TO CLEARLY DEMONSTRATE THE MAJOR PROHIBITIONS ON FIELDTURF.





GRADUATION GUIDELINES

FieldTurf has developed ideal covering systems that are suitable for all types of events, including Graduation ceremonies, called the FieldTurf Armour systems (Pages 23–28). A request for Information/Pricing can be obtained by visiting www.fieldturf.com

Though it is always preferable to cover the Surface as shown in the Guidelines, budgets permitting, many have held this event without covering the main area of the field itself.

If the field is new, less than 6 months old, conditions might be different than with a mature field. Since Graduation events are traditionally held in the spring, depending on climactic conditions, the field might get a chance to “weather” through the winter months, so it will be important to test the chairs on the surface, as indicated below, if it is chosen not to cover that area of the field.

Though post chairs will generally not damage the surface, they do tend to sink a bit; a quick test will show you the end result. If post chairs are used without a Field covering however, those equipped with rubber stoppers are a must. The chairs should only create small “Divot” holes that should generally disappear when the field is groomed after the event. Again, testing the end results off the main field of play is always recommended.



Depending on the final set-up, ladies will find heels very difficult to walk in. Many have recommended that the ladies either wear/or bring “Flats” for their own comfort. Another option to full covering would be to cover the aisles with recommended covering or plywood, then conventional carpeting over the top.

It will be imperative, however, to cover the area under the staging. Either a recommended covering (i.e. FieldTurf Armour), the Equivalent protection using similar systems or 4' X 8' (3/4") plywood sheets which can be doubled or tripled, as required, under the stage footings. The thickness used will depend on the PSI that exceeds the allowable 70 PSI / 10,080 PSF (as indicated in the “Vehicle Circulation” guidelines (Page 39). A tarp or plastic covering underneath should be used to avoid splinters getting into the grass.

It should be noted that your FieldTurf warranty covers the components and Installation of your FieldTurf product. Though all efforts are made to provide appropriate directives for the staging of events other than the sporting activities set out in the warranty, the responsibility remains on the owner for any mishaps or damages that might occur; however no breach in warranty exists with the staging of such events.

A thorough grooming is recommended after the event.
(See pages 40–41 if assistance is needed.)

Two examples:



Chairs with “Full contact to the surface” are ideal, if available. An example:



FieldTurf ARMOUR

FieldTurf Armour turf protection systems are in use worldwide at prestigious arenas and stadiums and have proven themselves through extensive use. Whether you are having a large concert or a small on-field gathering, FieldTurf Armour will protect your turf against damage and keep your visitors safe and comfortable.

Increase revenue and flexibility and open your building to trade shows, concerts, corporate events, graduations and anything else you can conceive of. We have the experience, the expertise and the range of products to satisfy nearly any flooring requirement.

You can install chairs, staging and other equipment without damage. Drive forklifts, move carts and place equipment easily on artificial turf, running tracks and other sensitive surfaces.

All of our systems are interlocking, modular, expandable, and allow for unique configurations and customized layouts. FieldTurf Armour is easy to install, dismantle and store. Sections can be installed quickly and are designed for regular and repeated use.





ROUTINE MAINTENANCE

REMOVAL OF WEEDS AND MOSS

FieldTurf’s superior artificial grass surfaces may look like grass, feel like grass and play like grass; however, if not properly maintained, much like its natural grass cousin, it may still become susceptible to some of grass lovers’ natural foes: weeds and moss. It is important to prevent weeds and moss from growing on FieldTurf as it can affect the playability of the surface. Although routine maintenance will prevent this from happening, weeds and/or moss may occur at the interface between the synthetic grass and the perimeter curb.

Should this occur, spray the area with a biodegradable weed killer or remove the weeds by hand or with a 3-prong tool.

MOSS COULD GROW ON THE FIELD SURFACE IF THE FOLLOWING CONDITIONS ARE PRESENT:

- The field surface has not been maintained or groomed over a long period of time.
- If there is an unusual amount of shade on the field and the field has been neglected.
- If the field surface has been left covered with vinyl tarps over a long period of time.
- If there is sufficient moisture and any/all other conditions for growth are met.

SHOE CLEANING

Cleaning mud and dirt from cleated shoes with the use of brushes or cleat cleaners placed near the field will prevent soiling and staining of the field surface.

- Cleaning tools should not be placed directly on the FieldTurf surface.
- Various models are available online or in most sports stores.

MAINTENANCE CARE PRODUCTS



Depth Gauge



Emergency Repair Kit



EQUIPMENT

FieldTurf has a complete lineup of custom equipment engineered to facilitate all your maintenance requirements. All equipment or vehicles used on FieldTurf must be equipped with turf tires. Equipment must be stored indoors or outdoors with proper covering, such as a tarp.

The list of approved maintenance equipment includes the FieldTurf GroomRight, the FieldTurf GroomRight Wings, the FieldTurf SweepRight, the FieldTurf SweepRight Pro and the FieldTurf Tow Behind Magnet.



FIELDTURF GROOMRIGHT

The FieldTurf GroomRight is the turf industry’s most efficient piece of maintenance equipment. It consists of multiple brushes, rakes and rotating tines. Each of these components can be used individually or all together.

The aerating component features rotating tines located at the center of the unit, to loosen the infill without damage to the fibers.

The brushing and raking components are designed to level the infill while at the same time rejuvenating fibers.

SETTING:

When setting the FieldTurf GroomRight for use, the rotating tines should penetrate the infill by ¾”. The rakes should penetrate the infill by ½”. The brushes should not penetrate the infill.

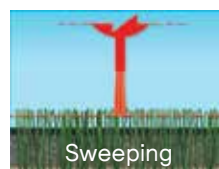
- FREQUENCY:
 - Raking: 4 – 6 weeks
 - Brushing: 4 – 6 weeks
 - Aerating: Maximum of 3 times / year, ideally after every sport season and after snow clearing, if applicable (beginning in 2nd year)
- RECOMMENDED VEHICLE: Small garden tractor, gator or larger vehicle, minimum 20HP, equipped with Turf Tires
- SPEED: 3 MPH – always make wide turns

Please be aware that “off the shelf” maintenance equipment can damage your field. If you are unsure if your maintenance equipment is allowable or prohibited, please contact the FieldTurf Customer Service Department.



NOTE: Sweeping of the field must be done right after any other maintenance procedure to prevent any foreign material from settling into the infill before usage.





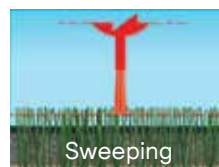
FIELDTURF SWEEPRIGHT

FieldTurf SweepRight is a mechanically driven unit designed to remove larger fallen debris from the FieldTurf surface, and it is the most economical and efficient machine for sweeping. Debris should always be removed as soon as possible. The system also features a mesh plate to facilitate debris pick-up and re-distribution of the Infill back into the field.

SETTING:

When setting the SweepRight for use, make sure that the brushes never penetrate the infill. Proper removal of debris will only require the brushes to penetrate the top of the fibers.

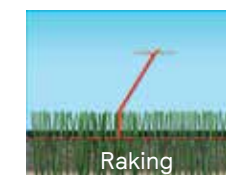
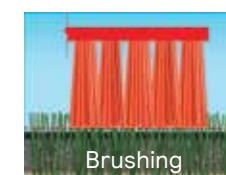
- Frequency: As needed
- Recommended Vehicle: Small garden tractor, gator or larger vehicle, minimum 20HP, equipped with Turf Tires
- Speed: 3 mph – always make wide turns
- Same setting for the SweepRight and SweepRight Pro.



FIELDTURF SWEEPRIGHT PRO

FieldTurf SweepRight Pro is a gear-driven sweeping system with 6' brush and vibrating debris hopper to sift infill material.

N.B. The sweeper baskets should be monitored/emptied periodically to avoid Infill accumulation mixed with the debris.



FIELDTURF STATIC BRUSH

FieldTurf Static Brush has a 7' static drag brush and spring tine system. Designed to lift synthetic fibers and level infill material. Brush height and spring tines are independently adjustable.

SETTING:

When setting the Static Brush for use, the brushes should not penetrate the infill. The rakes should penetrate the infill by 1/2".

- Frequency:
 - Raking: 4 – 6 weeks
 - Brushing: 4 – 6 weeks
- Recommended Vehicle: Small garden tractor, gator or larger vehicle, minimum 20HP, equipped with Turf Tires
- Speed: 3 mph – always make wide turns



ACCESSORIES

FIELDTURF GROOMRIGHT WINGS

Removable and adjustable brush extensions extend the unit to 14 feet in order to level off infill and raise fibers for better field playability.



FIELDTURF TOW BEHIND MAGNET

- 7' tow behind magnet
- Detachable tow hitch
- Works independently or as an attachment for the SweepRight Pro or GroomRight.
- Quick release pull handle for debris removal





THE FOLLOWING FIELDTURF PRODUCTS HAVE BEEN TESTED AND ARE ENVIRONMENTALLY SAFE TO USE ON FIELDTURF FIELDS.

FIELDTURF SCRUB DETERGENT

FieldTurf Scrub is a powerful turf optimized cleaner, conditioner and sanitizer, which can be used for removal of grease and oil, and is chemically formulated to be compatible with other FieldTurf treatment products, such as liquid static conditioners. Its proprietary surfactant system will also assist in keeping surface drainage at optimum levels. FieldScrub can also be used in an emergency situation to help clean up bodily fluids. It may also be used to clean and decontaminate surrounding surfaces, such as benches, equipment, and other items. FieldScrub’s Alkali-free formula is user friendly and rinses freely, leaving no harsh residues. Regular cleaning with FieldScrub alleviates the normal buildup of atmospheric residues and revitalizes the turf fibers.

HOW TO USE:

Dilute Fieldturf Scrub as follows in warm or cold water, and apply by brushing or spraying for spot cleaning and Industrial sprayer for entire field application. RINSE well with clean water before using the field.

Suggested application rate of 1:40 will require 4 liters (1 US Gallon) to cover 10,000 square feet.

- Heavy dirt, grease, equipment fluids and oil – pure to 1:4
- Light dirt, grease and oil – 1:8
- General purpose cleaning – 1:40 to 1:80

RECOMMENDED USE:

Yearly for Outdoor fields. Once/ Twice per year for Indoor facilities (with adequate drainage).

FIELDTURF STATIC CONDITIONER

FieldTurf Static Control is specifically formulated for the effective control of electrical static buildup on artificial grass systems. The product is safe for application on FieldTurf surfaces without affecting the color and appearance of your FieldTurf field.

HOW TO USE:

Apply diluted as required to the surface to be treated by spray mist and allow it to dry. The suggested application rate is 850 to 1000 square feet per gallon. Reapply as necessary to maintain desired level of protection.

1 liter will make 22 US Gallons and will cover approximately 20,000 square feet. To minimize aerosol generation application pressure should be kept below 40 psi.



1L



1L

FIELDTURF GUM REMOVER

FieldTurf Gum Remover is an effective all natural biodegradable solvent formulated for removing gum, tar, and adhesives from FieldTurf surfaces. It can also be used as a spot degreaser and deodorizer.

HOW TO USE:

STEP 1:
Using a 1.5–2 inch wide Metal putty knife, isolate the gum with the attached turf fibers by placing the end of the knife at the base of the affected fiber at a 45 degree angle. Push the fibers with the attached gum onto the knife.

STEP 2:
Saturate a small area of a clean white terry rag with **FGR** and apply to the gum resting on the knife surface. Let the solvent penetrate for 1 to 2 minutes to soften the gum, leaving the rag in place. **DO NOT POUR FGR DIRECTLY ON THE GUM, AS THIS MAY DAMAGE THE INFILL AND AFFECT THE BACKING.**

STEP 3:
Holding the knife firmly (taking care not to cut the fibers), gently rub the gum up the putty knife surface toward the handle. This will remove the gum from the FieldTurf surface.



1L



PAINTING

PAINTING ON FIELDTURF’S FIBERS

Before beginning to paint on your field, it is imperative that you contact FieldTurf’s Customer Service Department for guidance on specific types of paint to use, recommended suppliers, machines, and proper PSI machine settings.

It should be noted that paint buildup over time will affect paint adhesion, aesthetics and possibly drainage in those areas. It is recommended that paint removal be done approximately after every 5 applications before paint re-application is done. It will be equally important to verify the infill below the surface for paint contamination. This area should be flushed through if necessary. In severe cases, where the infill is totally covered in paint, the infill might have to be removed and replaced.

BELOW IS A LIST OF PAINTING SPECIFICATIONS

TYPE OF MACHINE: AIRLESS SPRAYER

- 800-1000 psi for end zones, logos: tip must be handheld 18” above the surface.
- 700 psi for 4” lines: tip must be held 4” above the surface.

It is important to note that the pressure should be adjusted accordingly so that only the fibers are being painted and NOT the infill. Spray angle should be between 45 and 60 degrees.

| SPRAY TIP | |
|-----------|--|
| 415/417 | For painting logos and large end zone areas with handheld wand |
| 315/317 | For painting 4” lines with airless sprayer lining equipment |

ANGLE TO SPRAY: 45 TO 60 DEGREES

Recommended Application Temperature: above 50°F ambient (temperature should not fall below 50°F within 24 hours after the application).

NUMBER OF COATS: Apply in 2 directions to cover both sides of each blade. Fibers have to be dry before recoating (depending on the climatic conditions). End zones and/or logos may need more than 2 applications. Applying a white primer coat is recommended for logos only.

TIME TO DRY: Preferably overnight; otherwise 6 to 8 hours at 70°F and 50% humidity.

PAINT COVERAGE: For two medium coats each way: approximately 200 square feet or 600-700 linear feet per gallon based on a 4” wide line.

REMOVER COVERAGE: Approximately 500 square feet per gallon or 1500 linear feet based on a 4” wide line.



| LIFE EXPECTANCY | OPEN | UNOPENED |
|-----------------|---|--------------------|
| Paint | Up to 6 months with lid properly replaced | At least 6 months |
| Remover | Up to 6 months with lid properly replaced | At least 12 months |

DIRECTIVES FOR THE REMOVAL OF LOGOS, END ZONES AND ALL FIELD MARKINGS

1. First and foremost, the surface should be brushed in both directions to allow the fibers to stand up.
2. Apply removing solution, either pure or diluted, depending on what type of paint you are using (only approved removers should be used based on the paint manufacturer’s recommendations – contact FieldTurf Customer Service if you are unsure). Brush in both directions, this will ensure full saturation of the grass fibers. Apply the remover a second time and let stand 10 minutes, depending on the climatic conditions. Remover will dry almost on contact in extremely hot conditions. If this is the case, removal should be attempted in short segments.
3. Use of a broom, brush or any grooming or removing equipment approved for the FieldTurf surface might be necessary.
4. Rinse the surface with clean water to remove any extra paint residue. For best results, use hot water.
5. Leave sufficient time for the surface to dry completely before allowing any activity to resume on your field.
6. The rate of removal may vary due to conditions beyond your control (type of paint, number of coats, exposure, etc). It may be necessary for a second application; if so, repeat the process in the opposite direction.
7. Some infill may be displaced. To avoid this, make sure the brushes used do not penetrate too deep into the infill.
8. Any excess paint will likely be deposited into the infill. Buildup over time will cause the infilled surface to harden. FLUSHING THE SYSTEM WITH WATER (PREFERABLY HOT) IS IMPERATIVE.
9. The use of a paint extracting unit is also very effective to prevent buildup over time. It should be noted that if the above steps are followed your FieldTurf system can be painted multiple times over its life.
10. FieldTurf cannot be responsible for any consequences due to non-compliance of the above directives.



ANY SUBSEQUENT MEASURES NECESSARY TO RESTORE THE INFILLED SYSTEM BACK TO ITS ORIGINAL STATE IS NOT COVERED UNDER OUR WARRANTY AND WOULD BE AT THE OWNER'S EXPENSE.



SNOW REMOVAL

WEATHER CONDITIONS

Generally, the components themselves that make up the FieldTurf system don’t freeze, but of course the moisture that seeps into the Infill does. This creates good conditions that allow you to plow snow without moving, or removing much Infill. A snow blower may also be used. One of the most important factors in Snow Removal is the temperature; the ideal climactic conditions for plowing are always below freezing (25F/-5C). Hopefully the temperature will rise above freezing during the day, and the rest of the remaining snow will melt through, especially if the sun comes out.

FREQUENCY

Plowing periodically during the winter months is recommended to avoid a large buildup which makes removal more tedious.

DIRECTION OF OPERATION

Page 20 shows the Direction of Operation for Field Grooming, which would also apply to snow removal. If restrictions prevent you from accumulation on the sidelines, then a“North/South” direction is acceptable, since in any case, a small layer of snow will be left behind.

ICE MELT

If chosen, even recommended de-icers should always be tested off the main field of play, to ensure the safety of the surface and the lack of residue left behind. From experience, there are some things we do know; that all Ice melt solutions can leave a residue, which might affect ball handling in football and ball reaction, such as in soccer. Footing can also be slippery, again testing all of the “factors” off the field of play before full field application is recommended. One final thought is that Mother Nature should provide plenty of rain in the spring to flush these chemicals through the system. It might be a good idea though, when the temperatures remain above freezing for 4-5 days, to water the surface to insure that no residue is left behind.

OUR FIELD CARE EXPERTS ARE MORE THAN AVAILABLE AND QUALIFIED TO PERFORM THE WORK FOR YOU. PLEASE CONTACT YOUR CUSTOMER SERVICE CO-ORDINATOR FOR FURTHER INFORMATION, AS WELL AS A LIST OF RECOMMENDED EQUIPMENT AND MELTING COMPOUNDS THAT CAN BE SAFELY USED.

LOAD BEARING

Typically, the load bearing capacity of the FieldTurf system and sub-base (this should be verified with the Base Contractor) can withstand pressure up to 70 PSI / 10,080 PSF (see page 39). Factors to always consider are that if the weather temperature rises above freezing, and both the FieldTurf and base begin to thaw and are wet, then the PSI is affected by these changes in atmospheric conditions, which is no different than with a natural grass surface. It is always recommended to test the equipment first on the FieldTurf



surface but off the main field of play itself. For example, on the sidelines where the panels run parallel to the field and usually no markings appear. You will also be going in the direction of the seams, so this should give you a comfort level for adjustments etc.

ASSISTANCE

Your Customer Service Coordinator can be contacted for assistance with snow removal via our FieldCare program (see page 40), however, if you choose not to do it yourself, they can also assist you with recommended snow removal attachments, if needed.

HELPFUL DO’S AND DON’TS

DO

- Plow when the Temperature is below freezing
- Leave a small layer of snow on the surface
- Test Methods/Equipment off the main field of Play
- Contact Customer Service/Field Care for Assistance if needed

DON’T

- Plow when the temperature is above freezing
- Use non-approved melting compounds
- Proceed until testing all Compounds/Components first
- Use unauthorized 3rd

VEHICLE CIRCULATION

YOUR FIELDTURF FIELD IS DESIGNED TO ACCOMMODATE VEHICLE LOADS WITHOUT CAUSING DAMAGE TO THE FIELD SURFACE, PROVIDED THE FOLLOWING CONDITIONS AND RECOMMENDATIONS ARE FOLLOWED:

- Do not leave vehicles idling or unattended. Heat generated by the exhaust could singe fibers.
- Ensure that the machines being used on the field are not leaking.
- Typically, bases supporting your FieldTurf field are designed for a maximum load-bearing capacity of 70 pounds per square inch (70 PSI / 10,080 PSF). Vehicles circulating on your field should conform to this load-bearing capacity limit, unless your base has been specially designed to support heavier loads. Please refer to your internal design criteria to verify the maximum acceptable load your field can accommodate.
- Only vehicles equipped with pneumatic rubber turf tires should be allowed to circulate directly on the field surface.
- Turning of the vehicle on the surface should be done in a wide radius.
- Turning of the vehicle should only be done when the vehicle is in forward motion.
- All vehicles should circulate at slow speeds at all times.
- Abrupt and sudden braking must be avoided.
- Sudden acceleration and spinning of wheels must be avoided.
- Vehicle wheels should be clean at all times to prevent mud or dirt from being deposited on the field surface.
- All vehicles in direct contact with FieldTurf surfaces should be inspected for possible leakage of oil or hydraulic fluids prior to accessing the field.
- In order to avoid rutting of the infill and of the underlying base, circulation of vehicles on outdoor saturated fields must be avoided.
- To protect against heavy and larger sized vehicle circulation, a layer of ¾” thick plywood must be placed over a vinyl tarp covering the field to a minimum distance of 40’ to 60’ (12 to 20m) and should be installed at all entrance and exit points to the field.
- Please note: The FieldTurf surface should be groomed and swept following heavy traffic.

HELP

In addition to these guidelines, there are three ways to get answers to any FieldTurf questions you may have:

- 1 – Contact our Customer Service Department at 1-877-725-TURF (8873)
- 2 – Please contact customer service for any hard copies needed.



FieldCare Maintenance Program

FieldTurf’s FieldCare Maintenance Program will help you maintain performance, enhance the longevity of your field and increase the return on your investment.

At each visit, certified technicians execute these 5 procedures:

- 1. Take multiple infill depth measurements to verify surface planarity.
- 2. Make minor warranted seam and inlay repairs, not to exceed eight (8) repairs.
- 3. Add light infill to high-traffic areas.
- 4. Power clean field perimeter.
- 5. Provide a written Pre and Post-Session field report.

Advanced Care

Advanced Care is ideal for aged surfaces and/or fields with heavy use. It provides deep grooming and fiber rejuvenation in these 5 steps:

- Deep field decompaction.
- Magnet sweep for metal debris.
- Rotary brushing to raise turf fibers and to deposit any contaminated infill into vibrating screen for debris collection.
- Cleaned infill is then redistributed back into the field using a weighted power brush and vacuum.
- Vacuuming to remove fine dust and debris from field surface.

Standard Care

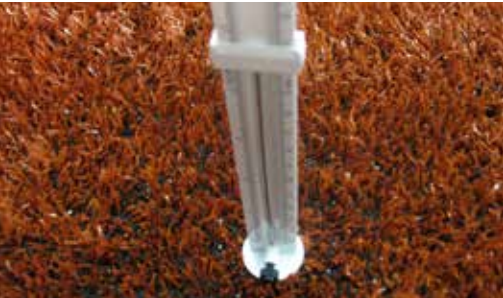
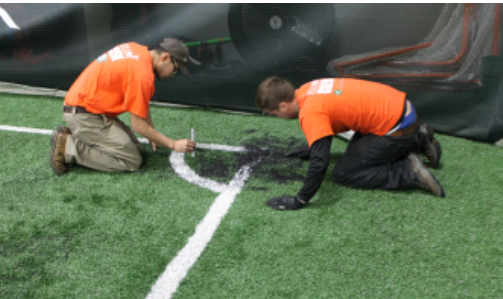
Standard Care provides the 4 basic services for debris removal, field decompaction and infill redistribution:

- Sweep field for large debris.
- Decompact field at appropriate depth for age of fiber and current field conditions.
- Brush in multi-directions with static brush to redistribute infill.
- Re-sweep the field for fine debris.

Custom Care

Custom Care is designed by the FieldCare Service Team to fit your specific maintenance needs. This includes 1 to 6 visits per year with a combination of Standard Care and Advanced Care maintenance, along with other custom services, which include:

- Field line striping
- GMAX testing
- Anti-microbial spray
- Anti-static spray
- Infill top dressing and replenishment
- Removal of clay migration
- Snow plowing



FieldCare Maintenance Summary Report

NAME OF FIELD/SITE:

Time of Arrival:

Time of Departure:

Service Visit Date:

Contact Name:

Classification of Service:

Phone #:

Site Address:

Billing Address:

Field Square Footage:

GMAX: Y

N

Primary Sports:

Service Provider/Technicians:

Field Fiber Type:

Fiber Height:

Install Date:

Report Submitted by:

Date of Last FC Service Session:

(If no date: Please write "NEW FC Customer")

PRE-FIELD INSPECTION NOTES BY TECHNICIAN (FROM WALKTHROUGH)

MAINTENANCE SERVICES PROVIDED:

☐ STANDARD CARE

☐ ADVANCED CARE

OTHER

☐ Aggressive Brushing / Leveling

☐ General Field Sweeping

☐ Anti-Microbial Spray

☐ Standard Infill Decompaction
(Not to exceed 1 inch depth)

☐ Static Brush

☐ Field Metal Magnet Sweep

☐ Anti-Static Spray

☐ Tier 2 Decompaction
(Deep-Time Decompaction)

☐ Power Static Brushing

☐ Static Drag Mat

☐ Refill Infill in High Traffic Areas
(Rubber/Sand Infill Mix > 250lbs = Additional Charge for Material/Labor).

☐ Infill Cleaning / Sifting /
Fiber Rejuvenation

☐ Power Brush & Vac

☐ Gmax Testing

☐ Total Vegetation Control
(Perimeter edge only)

☐ 3-Step Deep Power Grooming
(Only advanced care)

☐ Power Broom
(Perimeter edges & specialty areas)

EQUIPMENT (CHECK ALL THAT APPLY)

☐ SMG

☐ Hot Melt/Generator

☐ Air Compressor

☐ Laymor

☐ Groomright

☐ Blower

☐ Shindaiwa

☐ Turf Bond

☐ Roller

☐ Bob Cat

☐ Magnet

☐ Shop Vac

☐ Dumpster

☐ Tow Behind

☐ Forklift

☐ Other (Specify):.....

FIELD INSPECTION: COMPLETED

☐ YES

☐ NO

Qty: # of total repairs:

Estimated # of linear feet repaired:

Picture Submission ☐

COMPLETE FIELD LAYOUT NOTING REPAIRS ON NEXT PAGE.

POST MAINTENANCE TECHNICIAN NOTES

INFILL LEVELS CHECKED PRE MAINTENANCE:

Description

1

2

3

4

5

6

7

8

9

10

AVG

Primary: ☐☐☐☐☐☐☐☐☐☐☐☐

Additional: ☐☐☐☐ Time of Day:

INFILL LEVELS CHECKED POST MAINTENANCE:

Description

1

2

3

4

5

6

7

8

9

10

AVG

Primary: ☐☐☐☐☐☐☐☐☐☐☐☐

Additional: ☐☐☐☐ Time of Day:

Primary: The selection of test point locations will be determined by the primary sport. Additional: Locations determined by the secondary sport.

Reviewed by FieldTurf Personnel:

Date:



FREQUENTLY ASKED QUESTIONS

WHAT IS CUSTOMER CONNECT?

This exclusive online aid contains news, useful tips and information which will hopefully assist you with overall Maintenance and care of your fields for years to come.

- www.fieldturf.com

WHAT ARE THE BEST TYPES OF SHOES TO WEAR ON FIELDTURF?

The superior playing characteristics of your FieldTurf surface are directly associated with correct footwear and include: torque release, surface friction and traction. The best types of shoes are molded cleats or screw-ins (maximum recommended is ½”). The footwear designated for natural grass is easily transferable to use on FieldTurf.

- While use of long steel jagged cleats on FieldTurf will not void the warranty, they are not recommended. Limited use is allowable.
- It is important to note that flat-soled shoes and steel cleats do not result in ultimate athlete performance.
- Metal and aluminum rounded molded cleats are acceptable.
- A complete traction study of footwear on FieldTurf is available upon request.

WE HAVE HAD SOME VANDALISM ON OUR FIELD – WHAT DO WE DO?

In all cases, photographs should be taken immediately of any vandalism that has taken place. These will be needed for insurance purposes and should also be sent to the FieldTurf Customer Service Department in order to evaluate the scope of the required repairs.

Burn or singe marks should be evaluated immediately. In some cases, a qualified crew might be able to repair these without replacing sections of the turf. In the case of paint vandalism, it will be imperative to remove the paint as soon as possible, as the longer it stays on the surface, especially in the hot sun, the more difficult it becomes to remove.

Two commercially available removers are safe for use with the FieldTurf system:

- 1) Graffiti remover by Goof-Off
- 2) Zep Heavy Duty Citrus Degreaser

Both of these are most effective when used in conjunction with warm/hot water.

A PRESSURE WASHER IS IDEAL WHEN AVAILABLE; A FEW GUIDELINES TO FOLLOW:

- 1) Apply approved remover first.
- 2) Work it in with a brush, first one way against the fibers, then the other. Hot/warm water can be used on the brush to further activate the remover.
- 3) The pressure washer nozzle should be held no closer than 2’ from the grass and at no less than a 45-degree angle.
- 4) Again, going in one direction of the fibers, then back the other way.
- 5) All steps should be repeated if necessary.

It should be noted that in most cases it is not known what kind of paint we are dealing with. The above mentioned removers might not give the results needed. Please contact the FieldTurf Customer Service Department, as several paint suppliers also manufacture various removers that are safe on our surface. They are also very helpful and knowledgeable with removal methods and will be a good phone or on-site resource, if needed.

WHAT EQUIPMENT CAN BE USED TO PAINT AND REMOVE PAINT?

A list of recommended painting and paint removal equipment, as well as painting and removal tips and guidelines, can be obtained by contacting your FieldTurf Customer Service Department.

WE HAVE A SPORTING EVENT ON OUR FIELD WITH NO TIME TO CONFIGURE THE FIELD PROPERLY. CAN WE USE LIME, CHALK, OR TAPE FOR TEMPORARY LINES?

The use of pulverized lime stone such as used on a natural grass field for baseball is not ideal as it tends not to stick to fibers, but simply settle into the infill. Their prolonged use tends to “gum” up the infill and could eventually affect drainage in those areas.

One-time use, if time is a constraint and there are no other options, might be permitted. Please contact FieldTurf Customer Service before proceeding.

Testing the chalk off the field of play is ideal, as it helps adjust your flow rates and allows you to apply as little as possible while still allowing the players and officials to see the lines. Unfortunately, all the tests and attempts that have been done with “tapes” to line fields have not been successful. They are either too tacky, risk pulling out fibers and also risk leaving a residue that has to be taken off with a gum remover or are too flimsy and risk being a tripping hazard.

A chalk paint is ideal for short-term use. Please contact the FieldTurf Customer Service Department for a list of recommended suppliers.

WE USED TO HAVE FIREWORKS ON THE 4TH OF JULY – CAN WE STILL HAVE THEM WITH OUR NEW FIELD?

Whenever possible, direct contact of fireworks should be avoided near our synthetic grass system. However, though some polyethylene fibers could be singed when in contact with live ambers or fireworks, water will immediately alleviate any damage. A fire extinguisher can be used, but water is preferable since it leaves no residue to penetrate the infill; however, either one is fine. Watering the field will certainly help reduce potential damage; however, whenever possible, the field should be covered by a “fire resistant” covering. Contact the Customer Service Department for a list of recommended suppliers.

CAN A LEAF BLOWER BE USED ON THE FIELD?

Yes, this is an effective method of getting rid of leaves, pine needles, dried sunflower seeds, etc. The blower should be held no closer than 2’ from the surface and at a 45 degree angle to avoid displacing any of the infill from the field. Walk or pull-behind models can also be used.

HOW DOES CLIMATE AFFECT THE FIELDTURF SURFACE I.E. SNOW, RAIN, AND SALT WATER?

Your FieldTurf surface is designed to withstand a wide range of climatic and atmospheric conditions, such as ultraviolet rays (UV), snow, ice, salt water and sea climates without damage. However, it is essential that the field is washed periodically to remove any salt water deposits on the field surface.

WE SEEM TO HAVE A LOT OF GEESE LANDING ON OUR FIELD WHILE THEY MIGRATE BACK AND FORTH IN THE FALL AND SPRING. WHAT CAN WE DO TO KEEP THEM AWAY?

Several remedies are safe for humans and unpleasant for our feathered friends. Contact our FieldTurf Customer Service Department for further details.

CAN TRACK AND FIELD EVENTS SUCH AS DISCUS, JAVELIN, SHOTPUT BE HELD ON MY FIELD?

In general, the unprotected Turf system and base will tolerate some degree of Track activities, but protective covering in the landing area is recommended. Several suppliers offer “Discus” that are designed specifically for synthetic surfaces. The Javelin must be equipped with a Rubber tip to avoid damage to your FieldTurf system. The Turf system will obviously withstand use of the Hammer and Shot-Put on a Concrete base more so than Crushed stone, as noted previously, protective covering is recommended. Since Infill will be displaced, grooming frequencies might have to be added.

The FieldTurf Warranty covers the components and Installation of the FieldTurf product. The holding of Track events, as noted, will not impact the warranty. However, though all efforts are made to provide appropriate directives for the staging of events other than the sporting activities set out in the warranty; the responsibility remains on the owner for any mishaps or damages that might occur.

CAN BLEACHING AGENTS BE USED ON FIELDTURF FIELDS?

Oxidizing agents such as bleaching agents should NOT be used on FieldTurf fields.

WHAT DO I DO IF WE SPILL GATORADE ON THE FIELD?

We recommend that the areas with Gatorade or other drinks/fluids be cleaned as soon as possible with water in order to avoid bugs being attracted to the surface or jerseys becoming stained as a result of the spilled liquid.



CAN WE USE TRAINING EQUIPMENT, SUCH AS BLOCKING SLEDS, ON THE FIELD?

Training devices should be used with caution. Though their use does not constitute a breach of your warranty, FieldTurf cannot be responsible for any damage caused by the use of any such training equipment.

Since many manufacturers have developed or modified their Equipment specifically for synthetic systems, it is suggested that they be consulted for their recommendations and guidelines before use.

Our research has yielded some recommended guidelines which include:

- To make use of sleds and various training devices off the main field of play, such as D zones, end zones (if no Inlaid logos appear) and areas away from the main boundaries of play where the panels run parallel to the field and no inlaid markings appear.
- If used on the field of play, it is suggested that it be across the field in the directions that the panels were installed, as opposed to end to end against them.
- It is always recommended to remove the Equipment from the Field after each use.

The same recommendations would apply to the use of “Tire Flipping” as a training aid. Moreover a few specific recommendations would be:

- To make sure that the tires are clean, any dirt will likely get transferred to the turf and Infill.

It is not recommended to use the tires as a “Resistance” tool by dragging them across the turf. Preliminary research has shown that the friction could possibly damage or even pull out some of the polyethylene fibers. As in other higher use areas on the field, grooming frequencies might have to be augmented to Groom both the Infill and the fibers.

I SEEM TO HAVE BASE DEPRESSIONS OR DIPS ON MY FIELD – WHAT DO I DO?

Base depressions or “dips” that form on a field are not unlike potholes on our roads. The sub-base construction is similar in some aspects to road work. It usually consists of 6” to 10” of crushed stone over the existing soil that was graded and compacted. Over time and especially if the soil is of poor quality or unstable, areas may depress. The unevenness or depression that has formed is a result of the shifting of the base soil below it. Obviously this then causes the turf system to sink. It should be noted that this is not part of the turf system warranty; however, it should be addressed. Contact your base contractor with any sub-base related issues.

WHY DOES MY FIELD APPEAR TO BE SLOW IN DRAINING?

It is possible that the slow drainage is a result of surface tension – a natural phenomenon common in the fabric, carpet and outdoor flooring industry. Surface tension is especially common on recently completed fields. In most cases, the problem resolves itself naturally over the 6 week break-in period as the field is played on. In rare cases, the field could be treated with a surfactant and/or degreasing agent to enhance water penetration and eliminate surface tension.

IT SHOULD ALSO BE NOTED THAT SOME “PUDDLING” OR “PONDING” IS PERFECTLY NORMAL IN CERTAIN CIRCUMSTANCES. IN ALMOST ALL CASES, HOWEVER, THE FIELD SHOULD BE FREE AND CLEAR OF ANY STANDING WATER ONCE THE PRECIPITATION HAS STOPPED FOR APPROXIMATELY 30 MINUTES.

FIELDTURF FIELD SETTLING

FIELDTURF HAS PROVEN TO BE THE HIGHEST PERFORMING AND THE MOST DURABLE BRAND OF ARTIFICIAL TURF IN THE WORLD. THE FIELDTURF SYSTEM IS AN ENGINEERED PRODUCT CONSISTING OF SPECIALIZED COMPONENTS ALL GEARED TOWARDS MAXIMIZING ATHLETE SAFETY AND FIELD PERFORMANCE.

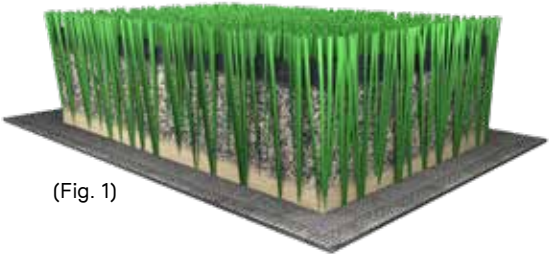
In addition to industry-leading manufacturing and service standards, what sets FieldTurf apart is the patented 9 lb / square foot sand and rubber infill system, along with the world’s most durable fiber that is exclusive to FieldTurf.

It is important for field owners to understand what constitutes normal behavior of these vital components over time. Below are the three major stages that a field will go through in order to achieve its optimal level of performance. These three stages are not only normal but a necessary progression in the life of an artificial turf field.

INITIAL

The field has just been installed. Fibers are upright and infill is slightly higher and looser.

Approximate duration for this stage depending on use and proper maintenance: years 0-1 (Fig. 1)



(Fig. 1)

SETTLED

Fibers are not as upright and are beginning to layover in order to encapsulate the infill and provide for a more grass-like appearance. The infill height has been lowered and has settled to its ideal level of 3/4” below the tip of the fiber held in an upright position.

Approximate duration for this stage depending on use and proper maintenance: years 2-5 (Fig. 2)



(Fig. 2)

MATURED

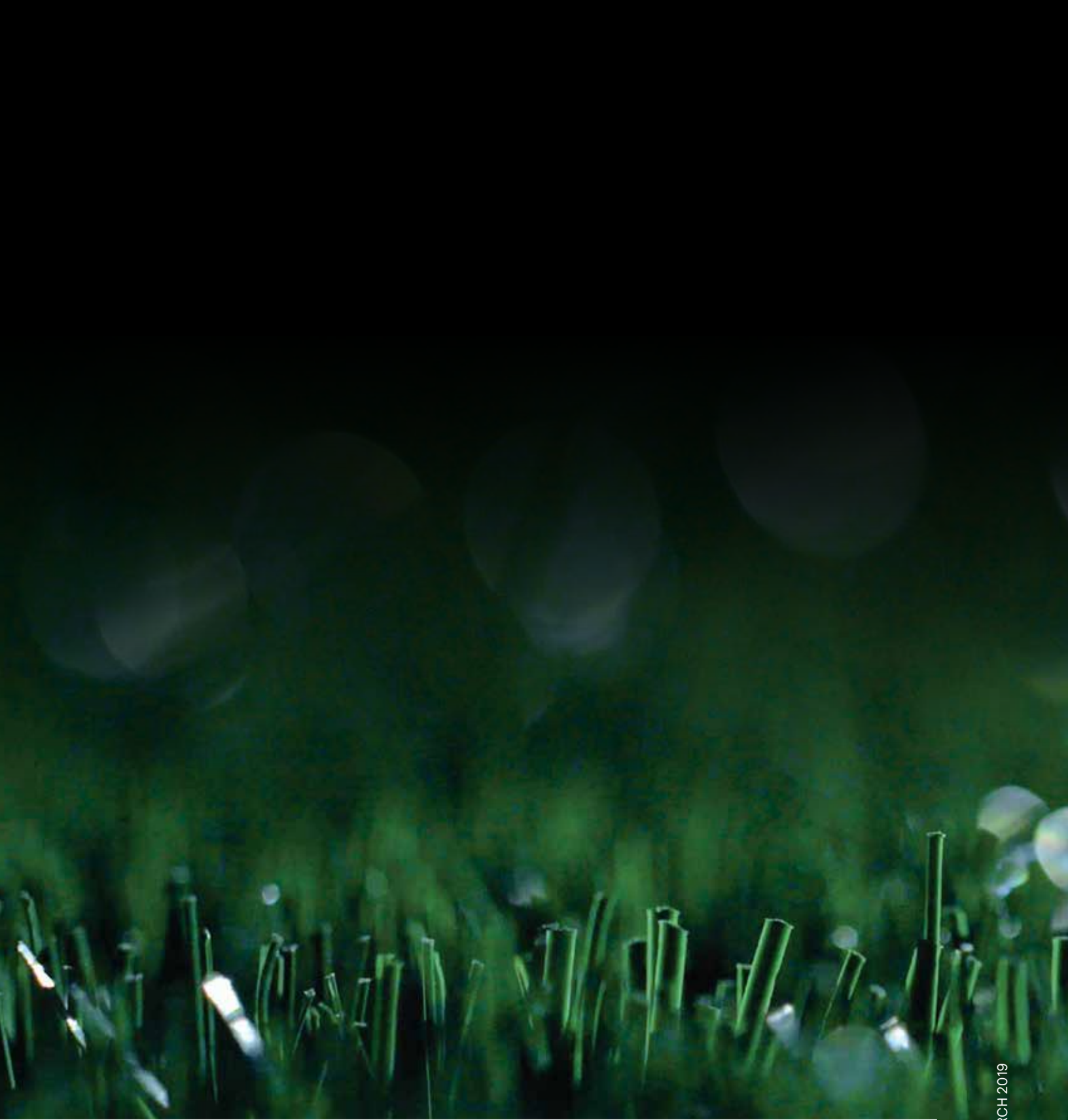
The fibers have laid over and the infill height remains at its ideal level.

During these years, the consistency and durability of the FieldTurf system is brought to the forefront as the product continues to exude ideal levels of safety and performance after heavy use.

Approximate duration for this stage depending on use and proper maintenance: years 6-8+ (Fig. 3)



(Fig. 3)



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UPDATED MARCH 2019



800-724-2969 | info@fieldturf.com | fieldturf.com