Artificial Grass Project Guide

Estimating to Installation







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Artificial Grass
Installation Supplies
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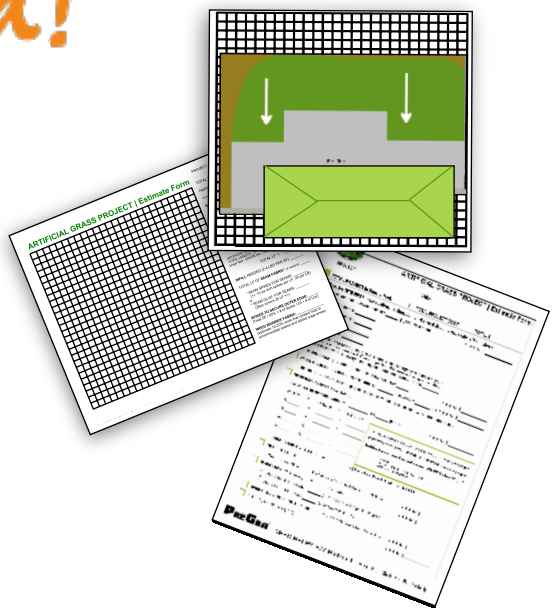

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MADE IN THE USA

PreGra Artificial Grass is Available EXCLUSIVELY AT

COSTCO WHOLESALE

How To Measure Your Project

Grass styles are sold 15 Feet Wide

Measure the Width and the Length Required, Per Section | Reduce Seaming, where possible

Width X Length = Total Square Feet (Divide Total SF by 15 to determine Linear Feet to Order)

Some yards may require seams, and smaller "cuts" to complete the pattern.

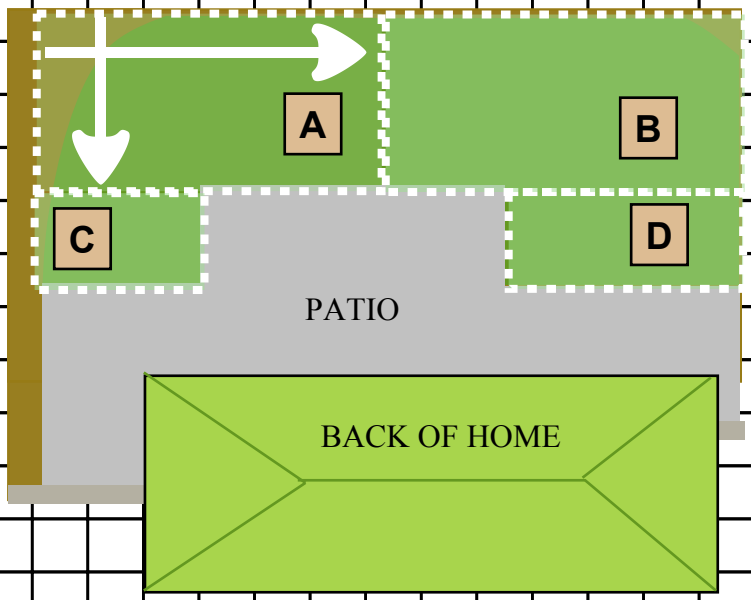
ALWAYS PLACE THE GRASS GRAIN IN THE SAME DIRECTION

EXAMPLE 1 -

Using your measuring tape - measure out the WIDTH of the area.

Grass surfaces are 15 Ft wide, and can be cut, to any width or length. Create a pattern to suit your design and project.

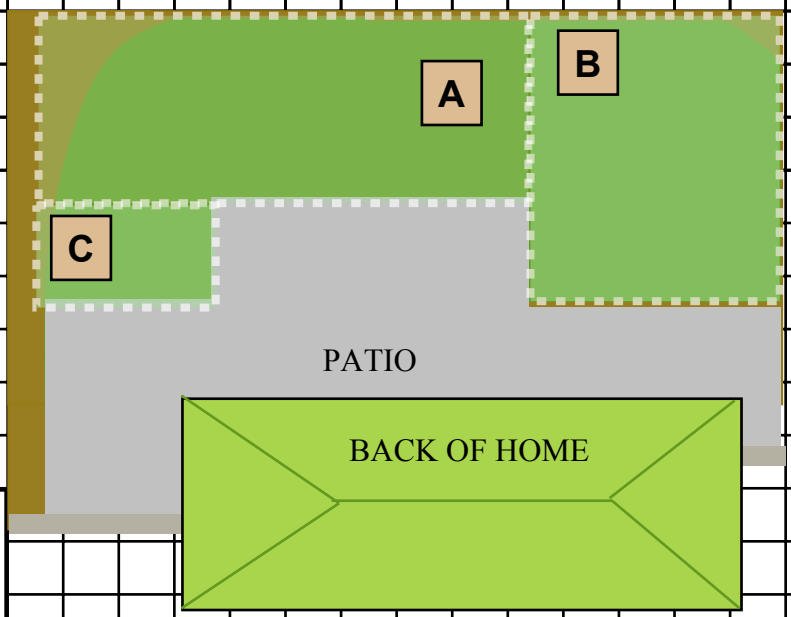
Measure the length of each piece needed to cover the entire area - in some cases, it may require that you use smaller sections to complete your design, as shown (to right)



EXAMPLE 2

Job shape and size determine the pieces you will need.

A pattern for a narrower backyard might look like this.



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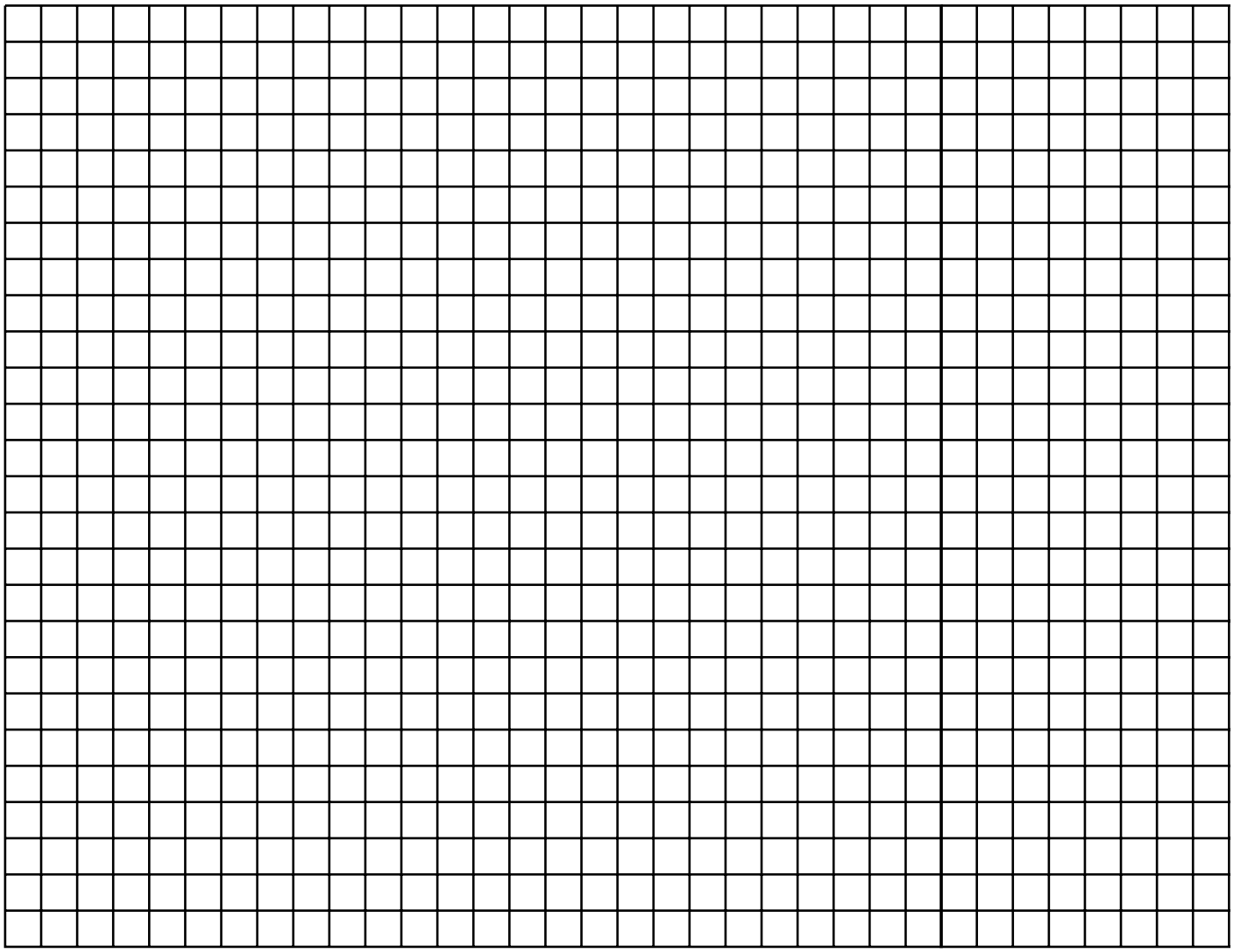
ARTIFICIAL GRASS PROJECT | Estimate Form



Grass Section(s):

WIDTH X LENGTH = TOTAL SF

A._____ **X** _____ **=** _____

B._____ **X** _____ **=** _____

C._____ **X** _____ **=** _____

D._____ **X** _____ **=** _____

GRASS AREA = TOTAL SF = _____

ARTIFICIAL GRASS IS SOLD - 15 FEET WIDE BY TOTAL LENGTH. To determine how many linear feet you need - DIVIDE the Total SF by 15

TOTAL LF of Artificial Grass = _____

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TOTAL PROJECT in Square Feet: _____

Approx Depth of Excavation (inch): _____

WEED BARRIER FABRIC (Total SF): _____
(estimate 10-20% more than project size to allow overlap of sections & added edge areas)

INFILL NEEDED (2-4 LBS PER SF) _____

TOTAL LF OF **SEAM FABRIC*** (if needed): _____

* SEAM SPIKES FOR SEAMS: _____
(+/- 10 six inch spikes per LF, 25 per LB)
or
* SEAM GLUE FOR SEAMS: _____
(28oz covers 25 LF +/-)

SPIKES TO SECURE OUTER EDGE: _____
(Total SF / 50% = # of Spikes / 25 = # of Lbs)

OTHER: _____
_____

ARTIFICIAL GRASS PROJECT | Estimate Worksheet

PROJECT: _____ AREA: _____

TOTAL PROJECT in Square Feet: _____ | TOTAL PROJECT COST: = TOTAL $ _____

Fees for SITE PREP : (excavation, hauling, dump - General depth to excavate is 3-4 inches)

Approx Depth of Excavation (inch): _____ | (Add misc fees) = TOTAL $ _____

Excavation fees $ _____

Sod Cutter Rental $ _____

Hauling Fee $ _____

Dumping Fee $: _____

BASE MATERIALS: (¾ (minus) aka "Road Base") enough to add back to your site the amount you removed. After compaction, the area will be approximately 2/3 to 1 inch lower) : Delivery fees may be quoted separately - add $ _____

ROAD BASE | Amount Required (CUBIC YARDS): _____ = TOTAL $ _____

WEED BARRIER FABRIC (Project Total SF: _____ + 10-20% = _____SF) = TOTAL $ _____

(estimate 10-20% more than project size to allow overlap of sections & added edge areas)

ARTIFICIAL GRASS SECTION(s)

TOTAL LF of Artificial Grass = _____ x $ _____ per LF = TOTAL $ _____

WIDTH	X	LENGTH	=	TOTAL SF
A._____	X	_____	=	_____
B._____	X	_____	=	_____
C._____	X	_____	=	_____
D._____	X	_____	=	_____

ARTIFICIAL GRASS IS SOLD - by LINEAR FOOT = 15 Square Feet (SF)

15 FEET WIDE BY TOTAL LENGTH - in ONE FOOT increments (length)

To determine how many linear feet you need - DIVIDE the Total SF by 15

Example:
Project Total SF = 348 / 15 = 23.2
(order 24 (+) linear feet).

GRASS AREA = TOTAL SF = _____ / (divide by) 15 = TOTAL LINEAR FEET _____

INFILL NEEDED:

2-4 LBS per SF = _____LBs / (divide by 50 Lb) # of Bags ____ X $ per _____ = TOTAL $ _____

SEAM FABRIC* (if needed): Kit $ _____ or by parts = TOTAL $ _____

* SEAM SPIKES FOR SEAMS: _____ (+/- 10 six inch spikes per LF, 25 per LB)
or
* SEAM GLUE FOR SEAMS: _____ (28oz covers 25 LF +/-)

SPIKES TO SECURE OUTER EDGE: ___ (Total SF / 50% = # of Spikes / 25 = # of Lbs) = TOTAL $ _____

OTHER (Rentals, tools, etc): = TOTAL $ _____

Quick Steps to Install Pregra Artificial Grass:

PREP AREA: Clear the installation area of all pre-existing roots, rocks and dirt. Remove 3" to 4" and level the area or grade the installation for proper drainage. You will be "importing" crushed rock materials and adding it back in to this area. You won't want dirt mixed in - it's a good time to clean up the job site.



Weed Barrier Fabric



Landscape Rake

INSTALL BASE: Lay down a shield of weed fabric across the entire project footprint. This will act as a barrier, between native soil and the new base materials. **HOW MUCH BASE?** For 3-4 inches of new base brought into the job site, expect to loose approximately ½ to 1 inches of height, after compaction; depending upon the material used. Decomposed granite (DG) will compact "tighter", especially in damp conditions. Road base (a mix of 1 ¼ to 1 ½ in crushed rock mixed with "dusty" fines) is a suitable base material for a lift of 3 inches or more. (base materials will vary, by region).



Plate Compactor

Use the BACK of a landscape rake (or back of a garden rake) to assist with spreading the crushed aggregate & fines, over the weed barrier fabrics, defining your project.



Drop spreader

Dampen the base and compact with a vibrating plate compactor, (if using more than 3-4 inches of base) or a water-filled roller, (if using DG or a lift of less than 3 inches). If needed, smooth out any high spots and compact, again.



Seam spikes

If you are seaming pieces of grass together, cut off the extra fabric on the edge of each piece of grass. Then, lay down the sections - make sure the grain of the BLADES POINT IN THE SAME DIRECTION - and adjust them - in place - before you seam them, together. Use 8 inch SEAMING FABRIC with either seam spikes (every 4 inches, on either side of the seam) OR seam adhesive, applied with a ¼ inch trowel to complete the bond. Finish one seam, before moving to another. *Do NOT TRIM THE OUTSIDE EDGE until all seams are done!*



Infill & Groom Rake

We recommend that you install one seam spike every 6", around the outside edge of your installation, to secure the outer perimeter.



Seam fabric & glue

Now that all of the grass is installed, brush up the blades using either an infill rake or stiff push broom - brushing vigorously against the grain. We recommend dropping approximately 2-3 pounds of infill, per square foot, onto the top of the surfaces. Walk evenly, and slowly, while you apply - brush the blades and the infill will fall to the bottom. A DROP spreader; used for granulated fertilizers; is best, for even coverage.

Buy Installation Supplies and Tools at PreGra.com

Use a leaf blower to remove any dust or debris from your project area; give it a final rinse and …

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SITE PREP TIPS

EXCAVATE 4 INCHES
if removing an old lawn

ADD BACK
3 INCHES of
Standard "Road Base" (aka A–B)

This is typical, for most landscape projects.

3 Steps to Site Prep

1. Clear area & compact edges
2. Install weed barrier fabric
3. Add base, level & compact

Let your site DRY OUT for a few days before excavating. You can use picks and shovels, for smaller areas - a SOD CUTTER is advised for larger areas. Check on local ordinances on disposal of "green waste", before you start!

Once you have **excavated the area;** roots and rocks are cleared; edges are compacted and cleaned of loose soil and debris; CLEAN THE AREA; if you use water to hose down the site, let it dry, before you continue.

This is the perfect time to add edges, large rocks, install pavers, stepping stones, walkways & walls.

Your next step is to **install the weed barrier fabrics.** As it can come in many sizes, the objective is to COVER THE ENTIRE installation area - along with additional material, that will be long enough to cover up the "walls" of the install, too. If you need to use more than one piece, overlap the sections, by at least 4 inches and secure with a 6 inch seam spike, every 4-6 inches to keep it in place as you add base, on top.

Begin adding your base, one wheel barrow at a time to the FARTHEST SIDE OF THE INSTALL. Dump the first load, using a landscape rake (shown) or the flat side of a hard garden rake - begin to lightly spread the base, to the height or level (grade) you desire. Remember that base can compacted, will go down, about ½ to 1 inch, depending upon the size of base rock you use.*

FEATHER THE BASE LOADS TOGETHER - go slow, and make sure to feather each load into the next at the same level. DO NOT WALK OVER FRESHLY LAID BASE!

Once complete, apply a light mist of water and **ROLL TO COMPACT.** This may required several trips over the surfaces - overlap your compaction to reduce added ridges and bumps. BROOM OUT & HAND TAMP any RIDGES OR BUMPS; and compact until smooth.

A water filled landscape roller for compaction is ideal for most projects



SOD CUTTER



"Roller" Compactor



Tamper



Weed Barrier - non woven



Hard Garden Rake

Landscape Rake

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ONLINE at PreGra.com
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Seaming Tips



2 Seaming Methods

A. Seam fabric & spikes

B. Seam fabric & glue

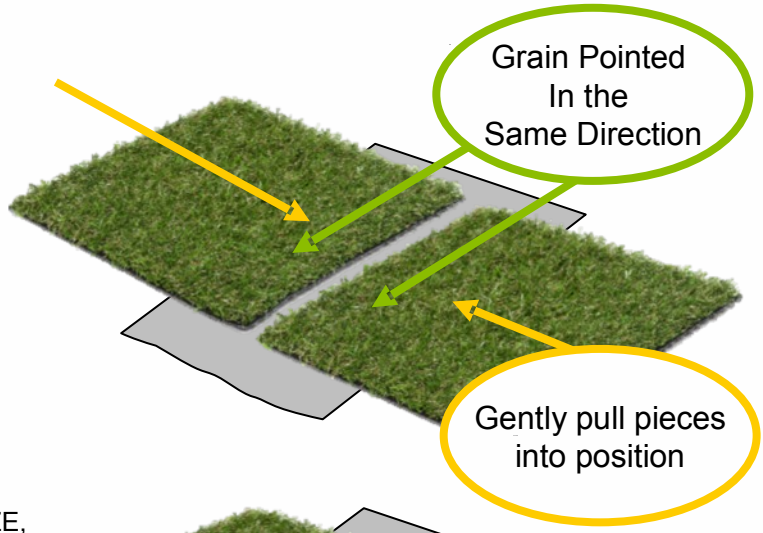
The most important part of a successful seam is preparing the grass sections and putting them down, IN THE SAME DIRECTION.

ONLY SECURE ONE SEAM AT A TIME

Do NOT CUT THE OUTSIDE EDGE OF YOUR SURFACES UNTIL YOU ARE SATISFIED WITH ALL YOUR SEAMS.

The grasses may have a "raw edge" of fabric on one or both sides. Using a very sharp blade (box or sheet rock cutter), cut off the extra fabric to within ¼ inch of the first row of blades.

Once each section has been trimmed - if needed - CUT TO SIZE, if needed - move the first section into your project area. Lay the next section, and continue until all the pieces are in place. ADJUST THE SECTIONS to cover the project area - AND - to move them close together for seaming.

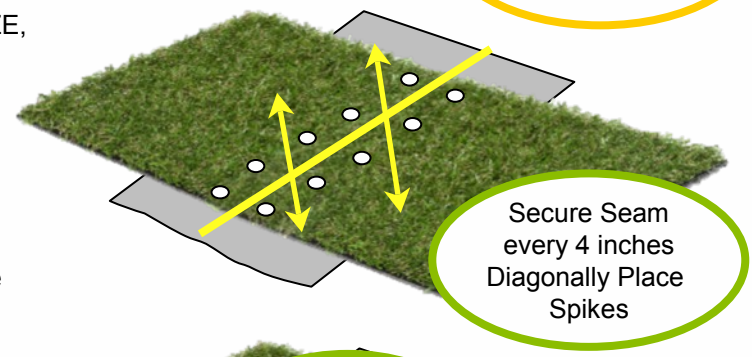


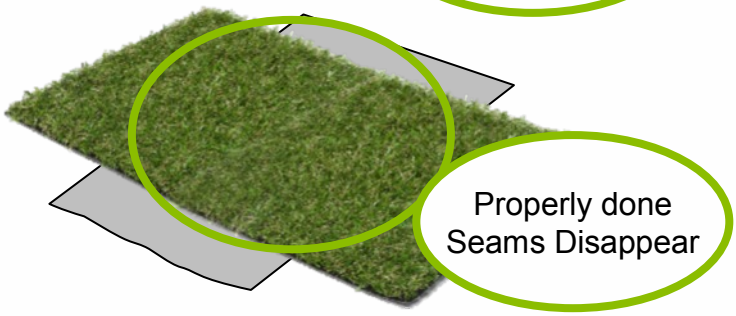
To SECURE With Spikes

FOLD BACK the first 12 inches of material - at the seam's edge on both sides. Cut to length and lay down the seaming fabric - shiny side down.

Flip the edges back - adjust the spacing of the sections so that the rows of blades are the same distance apart as the remaining rows.

Set 2 spikes at each end of the seam and then add one (1) 6 inch seam spike, every 4 inches along the seam - in a diagonal pattern on either side.





To SECURE With Glue

Follow the instructions, for setting the sections in place. Fold back the edges, once again, to apply the glue, on the "dull" side of the seaming fabric. Using a ¼ inch V-Shaped trowel - pour a small amount into the center line of the seaming fabric (about 12 inches) and spread to ¼ inch - continue to apply the glue to the width of the seam fabric and all the way to the end of the seam. Go back and gently fold one side over, at a time.

Gently "pat" the edges "down". Wait between 20-30 minutes before walking on the area - the glue "cures" with moisture - setting may take less time if you mist the glue or if it's wet out.



Enjoy Your Yard!

Infill Tips



Using a drop spreader, fill the hopper with infill, adjust the flow setting to 3-6 and walking slowly, evenly distribute (apply) 2-4 Lbs of INFILL, across the entire installed surface. Brush the infill down into the surface blades using a stiff broom or infill rake; (as shown on the right).



Infill is a granulated material used to weigh the surfaces down and hold the blades up



You may need to manually apply infill, in small amounts, along walks, walls and rocks that outline the outside edge of the project.

Simply fill a bucket with infill and apply, to edges, tight corners and small areas, with a cup. Brush the area, using a plastic hair brush or the infill rake, to help the infill drop down, between blade rows below the surfaces.

The diagram - below- shows how you can walk a rectangle. Regardless of the shape, do not overlap the rows of applied infill.

Walk the surface, applying infill, 1-2 times. Stop and rake the infill into the surfaces. With a stiff broom or infill rake, vigorously agitate the surfaces. This will pull the blades apart, allowing the infill to drop to the bottom.

Continue applying infill, and raking the surfaces - blades should stand up - as seen from all directions - when you have applied enough infill, properly.



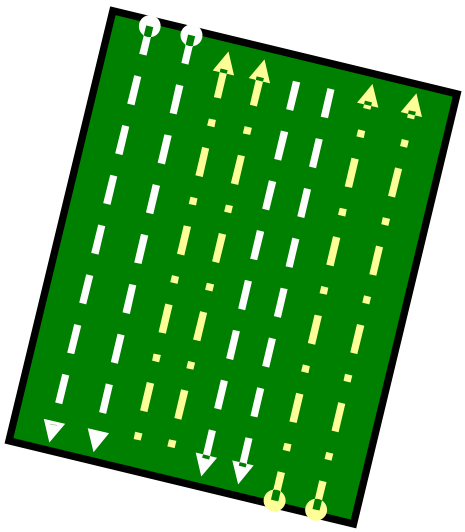
DROP SPREAD PATTERN

Walk SLOWLY

Do Not Over Lap

Rake in materials - after several "passes"

Hand-infill edges and tight spaces





Infill Rake & Infill

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Advantages of PreGra

Great for Children & Pets
100% Polyethylene Blades - Lead Free!
Lush Green Grass without Water
No Mowing or Fertilizers
Low Maintenance
Durable for Active Use
Easy to Install
Designed for Wet or Dry Climates

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