

HYDROSEEDING

The general sequence of lawn preparation is rough grade, finish grade, and then hydroseeding. In hydroseeding your lawn, Jetstream will combine water, grass seed, paper mulch, fertilizer and tackifier and then mix into a thick green slurry. This mixture will be sprayed into the soil under pressure and within 10 days, grass will begin to appear. With consistent watering (i.e. automatic lawn sprinkler system) the lawn will fill in, becoming thick and attractive in just 4-6 weeks. Before hydroseeding your lawn however, it first needs to be finish graded.

1. GRADING

a. *Rough Grade (sometimes called land balancing)*

- (1) Flattens and clears the land
- (2) Blends different levels of land
- (3) Creates the proper flow of storm water
- (4) Changes grade 2" or more
- (5) Usually completed with a bulldozer

b. *Finish Grade (sometimes called fine grading)*

- (1) Removes rocks, sticks and similar debris
- (2) Leaves smooth, carpet like appearance
- (3) Prepares soil for seed or sod
- (4) Does not change grade more than 2"

2. HYDROSEEDING (over other methods of lawn establishment)

a. *Advantages*

- (1) Applies all seeding components at one time
- (2) Provides the most uniform application of these components
- (3) Allows turf areas to be seeded more rapidly than any other method
- (4) Under pressure, the seed is literally injected into the ground insuring a positive contact with the soil
- (5) Mulch used in hydroseeding is free of 'weeds' often found in straw used in other seeding methods
- (6) There is no straw to rake off and dispose of after the seed grows into lawn
- (7) Hydroseeding is less than half the cost of sodding
- (8) Grass seed in general learns from birth to grow in the soil it's placed in, thus it adapts to its environment and is a much stronger lawn than sod. Sod is grown in a location foreign to your yard, with textbook soil, sun and water and then uprooted and moved to a new location with a different mix of soil, sun and water.

b. Hydroseed Components

- (1) Water is the medium that allows the transfer of seed to the ground and also provides the seed with its very first watering application.
- (2) Seed is available in many varieties and blends available for varying sites
- (3) Mulch is either paper or wood mulch and is used to provide the following:
 - (i) Buffers the ground from rainfall that would erode the soil
 - (ii) Holds seed in place allowing it to root after germination
 - (iii) Helps retain moisture in the seed bed
- (4) Fertilizer improves soil fertility by encouraging a rapid start and stimulating early root formation
- (5) Tackifier is a glue like substance that holds the mulch in place, minimizing the effect of heavy rainfall

c. Material Brand and Type (used by Jetstream)

- (1) Grass Seed (a blend chosen for your lawn) will be "Jetstream III Blend" which contains:
 - (i) 50% Kentucky Bluegrass
 - (i) Provides rich, green color & fine texture
 - (ii) Not drought tolerant or shade tolerant
 - (iii) Germinates slowly, 21-28 days
 - (ii) 30% Nighthawk Perennial Ryegrass
 - (i) Very tolerant of high traffic & drought conditions
 - (ii) Germinates very rapidly, 7-10 days
 - (iii) 20% Creeping Red Fescue
 - (i) Highly shade tolerant & somewhat drought tolerant
 - (ii) Germinates somewhat rapidly, 10-14 days
- (2) The Mulch applied will be Amturf 'Green Star Plus' with tackifier
- (3) Fertilizer used will be Amturf 'Super Starter' 15-30-15
 - (i) 15% Nitrogen Produces vegetative growth & dark green color
 - (ii) 30% Phosphorous Stimulates early root formation & a rapid & vigorous start
 - (iii) 15% Potassium Increases vitality & disease resistance

3. WARRANTY

- A. Hydroseed is guaranteed to germinate completely if the following conditions are met:
 - a. The site has an automatic lawn sprinkler system in proper operation (no exceptions).
 - b. Proper fertilization is applied to the lawn between 21 and 28 days from the date of seeding.
- B. If the above conditions are met, respraying will occur approximately 14 days after the first application of fertilizer.
- C. Hydroseed is not warranted due to the following:
 - a. Storm water run off from downspouts.
 - b. Storm water run off from roofs with no gutters.
 - c. Storm water run off from driveway collection and discharge.