

INSTALLATION GUIDELINES

MulchMax

GUIDING PRINCIPLES

- Robust site armoring supporting rapid vegetation establishment.
- Every care should be taken to ensure vegetation will establish within one year as vigorous vegetation is the long term site stabilization mechanism.
- Every care should be taken to achieve complete MulchMax coverage to ensure erosion protection against the forces of wind and water.

SITE, SEED AND FERTILIZER

Site Preparation

- Prepare seedbed to specification ensuring sufficient soil nutrients to support vigorous vegetation growth.
- Ensure grades are loose enough to support rapid germination.
- Cat track site with soil texture running perpendicular to slope to create 'slope interruption'.
- Slopes longer than 15 m require physical permeable barrier interruption of a rolled sediment control product, with a biodegradable net, installed to ensure water and sediment cannot pass below the barrier.



Site, Fertilizer and Amendments

- Seed specification to ensure full vegetation within one year; native seed mixes can take up to five years to germinate and become vigorous.
- Seed specification to ensure full vegetation establishment in dryland/upland species of both bunch and sod forming grasses.
- Fertilizer and soil amendment specification to support early germination as well as long-term vegetation vigour.

MIXING



MulchMax can be added without breaking the bales by cutting the bottom of the bag, creating a breather slit in the top of the bag and dropping the entire bale into the mechanically agitated machine without concern of auger jamming.

MulchMax 100, 200, Premium and Ultra are formulated for mechanically agitated hydroseeding machines and **must not be used in jet agitated machines**. MulchMax 100Jet is specifically formulated for Jet Agitated machines.

- Fill tank to 1/3 - 1/2 capacity.
- Run auger at 2/3.
- Add seed and fertilizer.
- Continue filling tank with water.
- Add MulchMax to tank over a ten minute period.
- MulchMax mixed at one 22.7 kg bale per 100 gallons of water.

MulchMax

- Add tackifier if applicable.
- All mulch, seed, fertilizer and tackifier should be loaded in tank by 3/4 full.
- Complete tank filling.
- Continue agitating the mixture at 2/3 auger for 15 minutes.
- Reduce auger to 1/2.
- Place MulchMax.

Caution: Hydromulch products and tackifiers can be slippery if spilled - caution is urged in loading MulchMax with care to be taken on all walking surfaces and machine decks where MulchMax and Nilex TAK are utilized.

APPLICATION

MulchMax can be applied by hose or by cannon and must be applied from at least two directions to mitigate for 'spray shadow' in ensuring complete product coverage.

Prior to application, measure and stake to view the first tank application rate.

Site Specific Visual Application Guide

Example parameters: MulchMax Ultra at 5,000 kg/ha applied with 1,500 gallon tank hydromulch machine. One 22.7 kg MulchMax bale per 100 gallons.

Yield: 1,500 gallon tank = 15 bales MulchMax = 340.5 kg MulchMax. 340.5 kg MulchMax at 5,000 kg/ha = 681 m² coverage.



Visual guide: Stake 681 m² and use the entire tank. Resulting applied rate is a visual guide for the remainder of the project.

Application Rates

Very general guidelines for application rates are as follows:

- 2,500 kg/ha for hydroseeding where MulchMax carries seed slurry only (not complete coverage).
- 5,000 kg/ha for hydromulching where MulchMax carries seed slurry, protects from erosion.

Considering Site Gradients

- MulchMax 200 for sites sloped up to 4:1.
- MulchMax Premium for sites sloped at 4:1.
- MulchMax Ultra for sites sloped greater than 4:1.

The above rates vary significantly based on the following site specific parameters:

- Vegetation type - agronomic or native.
- Expected germination - duration to fully vegetated.
- Soil nutrients - pH and percent organic.
- Grade preparation - ranging rough placed soil through smooth graded.
- Soil texture.
- Soil compaction.
- Slope angle.
- Slope length.
- Slope orientation.
- Installation date.
- Machine size.
- Project size.
- Water haul distance.

Contact Nilex for site specific MulchMax application rate recommendations.