

Hydroseeding is the method of hydraulically applying seeds, stabilizers and soil amendments to the surface of the soil for the primary objective of revegetation.



Hydroseeding equipment

Aquaseeding has trucks with a tank capacity of either 8000l or 2000l. The larger tank increases the speed and efficiency of application on large sites, but the smaller tank allows for ease of access in restricted height/access areas. This means we can undertake any scale of work in a safe and efficient manner, while meeting project deadlines.

Site Preparation

Hydroseeding should take place after the final slope shaping and topsoil placement has been completed and the prepared surface should be free of weeds and large stones.

Standard Application Rate

- ❖ Cellulose mulch @ 300kg/ha. This is a small amount of seed to help carry the dye and adds little erosion or moisture retention capabilities.
- ❖ Seed as per the supplier's recommendation. Typical seeding rates are 100-400kg/ha of exotic species and 5-20kg per ha native grasses.
 - The seed mix will vary according to the season, soil condition and location.
 - The longer the seeds are mixed in the slurry tank, the greater the potential for breakage and for this reason the seeds are added immediately before application.
- ❖ Fertilisers dependent upon soil analysis with typical requirements of 5-10l per ha of a pre starter fertiliser. Adding a fertiliser can reduce the germination of certain native species due to the effects of fertiliser salt on seed imbibition. Therefore a humic acid is used to promote microbial soil activity when using native species @ 5l/ha



Advantages of Hydroseeding

Hydroseeding is simply another means of applying seed to the soil, it doesn't provide any additional erosion protection until the vegetation establishes. However it still provides the client with a number of advantages over conventional seeding.

- ❖ This method can be applied to difficult sites not accessible heavy vehicles
 - ❖ The seed can be applied if the area is wet, as the trucks with the aid of hoses can reach areas of up to 200m from the vehicle. This means that an area can be seeded to meet deadlines in most ground conditions.
 - ❖ Low cost method of broad acre spraying due to the speed of application and the size of area covered per tank.
- ❖ Tackifiers and bonding agents can be added to the mix to provide dust suppression and prevent soil erosion from exposed areas.
 - ❖ This treatment should be used especially when using native seed prior to a hydromulch or straw mulch application.