Straw wattles are an effective and economical alternative to silt fence and straw bales for sediment control and storm water runoff.

Cylinders of recycled, compressed, 100% agricultural straw, straw wattles are wrapped in tubular, UV-stabilized black synthetic netting. Straw wattles can be placed and staked along the contour of newly constructed or disturbed slopes. Fertile topsoil, organic matter, and native seeds are trapped behind straw wattles and provide a stable medium for germination. Straw wattles also retain moisture from rainfall, aiding the growth of tree seedlings planted to their upslope side.

Straw wattles are available in two sizes:
- 9 inch (22.86 cm) diameter
- 12 inch (30.48 cm) diameter

Advantages of Straw Wattles
- Increased weight per linear foot for less resistance to movement from wind, water and sediment load.
- Low-cost solution to sheet and rill erosion problems.
- Replaces silt fence or straw bales on steep slopes.
- Lasts up to two years.
- Stores moisture for vegetation planted immediately upslope.
- The straw incorporates into the soil over time, adding organic material to the soil and retaining moisture for vegetation.
- Can be staked with fascines to stabilize low-velocity stream banks and establish wetland plants.
Applications for Straw Wattles

- Control stormwater runoff. Diverts flow and directs stormwater to treatment areas.
- Prevent off-site sedimentation at active construction sites. Keeps soil on-site and prevents it from washing onto pavement and asphalt; an economical and effective perimeter control alternative to silt fence and straw bales.
- Protect against slope erosion. Straw wattles work to reduce the erosive effects of slope length and steepness; the product is even more effective when installed in combination with hydraulic or rolled erosion control products.
- Capture inlet sedimentation. When wrapped around storm drain inlets, protects area drains and storm drain inlets from fast water flow and sediment.
- Promote stabilization and revegetation of stream banks and shorelines. Straw wattles prevent sediment pollution of streams and is an excellent complementary component for soil bioengineering projects.
- Provide soil stabilization for forest fire rehabilitation. Straw wattles show the velocity of rain runoff and help to prevent rill and gully slope erosion by holding bare soil in place and trapping ash and sediment.

The Nilex Advantage

Nilex is committed to unearthing better results. Whether it's for a civil, resource or environmental project, we offer the latest engineered and technically superior materials and techniques to save our customers time and money, and minimize the need to move or remove earth, and reduce the need for granular materials.

With over 30 years experience, a long-standing commitment to the environment and highly qualified staff, Nilex delivers the products and technologies that give clients an economic advantage with environmental benefit.