

## Quality Control



In the first 15 days of composting (the "thermophilic" phase) temperatures reach as high as 155 degrees F, but never lower than 131 degrees, resulting in all weed seeds being destroyed. Many of these

seeds were present as the result of a being accidentally incorporated in the feed given for horses, as well as from windblown sources. Once the minimum temperature of 131 degrees is reached, these seeds are no longer a problem. The EPA sets standards for the destruction and concentration of pathogens in composted biosolids. The standards set (in Part 503) are often used as marketplace specifications for compost or soil amendment sold for public use. By maintaining these standards, harmful pathogens are destroyed, including: Salmonella typhosa, Salmonella sp., Shigella sp., Escherichia coli (E. Coli), Entamoeba histolytica cysts, Taenia Saginata, Trichinella spiralis larvae, and others. In addition to being able to control weed seeds and pathogens through the composting process, C&C Peat is also able to reduce and control any heavy metal concentrations, such as Cadmium and Zinc. In cooperation with the Florida Department of Environmental Protection, C&C Peat regularly samples compost for testing to ensure that we maintain the highest levels of quality and safety for our customers, and the environment!

### C&C Peat's Goal:

*To supply our customers with the finest premium quality potting media available!*

## Praise of Enviro-Peat

"...organic and renewable. Good for plants and easy on nature. It's the thing to do."  
*Bill DeMott, Pelican Nursery*

"Their Competition is fierce, giving us soil to test, and we continue to stick with C&C Peat because their results are always there."  
*Lynn Miller, Sunscape Tree Farm*

"More consistent than all other competitors."  
*Vernon Cook Jr., Oxford Groundcovers*

"I am very pleased with the consistency of C&C's soil, time after time."

*Jim McCabe, McCabe Farms*



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A Sustainable Solution



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## What is Enviro-Peat?

**Enviro-Peat** is the product created by mixing peat with **Nutritional Compost** derived from spent horse bedding. Carefully selected components are composted in exacting conditions for a minimum of four months. This product is then blended with peat and used in growing mixes.

## Environmental Benefits

Florida Peat has always been one of the core components of **C&C Peat's** potting media mixes. Finding new sources of Florida Peat however, has become increasingly difficult and costly, both monetarily and for the environment. That is why **C&C Peat** made the decision to embark on a plan to create a sustainable solution to these issues, while retaining the high standards of quality that **C&C Peat** has come to be known for.

By creating **Enviro-Peat**, we are able to solve two concerns in Florida. One is the horse farm industry's need to dispose of spent horse bedding, and the second is the rapidly diminishing supplies of natural Florida Peat.

By composting this horse bedding, **C&C Peat** is able to help alleviate the negative impact that this bedding would have, through improper storage, on our aquifer. After composting, the former bedding is safe for all land applications. Through the use of **Enviro-Peat** we are able to decrease the percentage of Florida Peat incorporated, thanks to the use of compost.

## Creating the Product



Enviro -Peat begins as raw, spent horse bedding

Once transported to our facility the bedding is then fashioned into 8'x18' windrows to facilitate composting



The windrows are aerated and blended with a mammoth "turner", facilitating the composting process and destroying any trace pathogens

Once the compost has gone through our rigorous composting process it is then blended with natural Florida Peat to create our unique product: Enviro -Peat



### Composting Process

- 15 days maintaining a temperature of 131°
- 75 days of stabilization
- 30 days for curing
- Total = 120 days!**

## Growing Properties

**Enviro-Peat** and pure **Florida Peat** have very similar physical characteristics. While peat naturally has a very low pH, **Enviro-Peat** is much closer to ideal. This is thanks to the compost's higher pH complementing the **Florida Peat**. The incorporation of compost in **Enviro-Peat** has the added benefit of increasing the air porosity of the resulting mix, while maintaining water holding capacity. Because of the similarity between straight **Florida Peat** and **C&C Peat's Enviro-Peat**, there is no need to alter any irrigation practices.

*These nutrients, because of their organic nature, are slow-release and will assist plant growth over a long period of time.*

The compost component of **Enviro-Peat** holds some nutritional value for plants grown that would not necessarily be present in **Florida Peat**. **Enviro-Peat** is an excellent source of macronutrients such as nitrogen, phosphorous, and potassium, as well as many micronutrients essential for plant growth. These nutrients, because of their organic nature, are slow-release and will assist plant growth over a long period of time. Also, the beneficial microbes found in compost help plants to fight off diseases, as well as many types of pests.