

PowerPlant[™] is the Northwest's most consistent and yet most versatile soil amendment. A residual byproduct of the Columbia River Dairy, PowerPlant[™] is a true compost. Manure-based feedstocks are generated and transported by the effluent flush network at the dairy used for rinsing alleyways, lots and barns. This process homogenizes the material before it is separated from the liquid through a slope screening procedure.

The nutrient rich base is then placed in windrows on the 150 acre, on-site compost facility—where it is monitored for moisture and temperature. All material is required to reach 135 degrees for over 30 days to meet EPA composting rules and insure destruction of any possible errant weed seeds or pathogens. Regular testing helps to monitor NPK values, carbon to nitrogen ratios, pH and salt levels.

After 16 weeks of processing, the near finished material is processed once again through a 3/8' trommel screening plant. This removes any oversize material from the final product. The screened, peat-like compost is then stockpiled for a short time to cure. Finally, finished PowerPlant is loaded onto a truck and ready to be used in your lawn or garden.

PowerPlant[™] Specifications / Data

Carbon to nitrogen: ~15:1
Phosphorus: ~.40%
Screening size: 3/8 inch
Clopyralid free

Nitrogen: 1.54%
Potassium: 0.9%
pH: 7.8
Weight: Around 900 pounds per yard

Ece (salt level): ~4
Calcium: 2.10%
Moisture: ~35%

Lab comments:

"Salinity is safely low..."
"Available nitrogen is excellent..."
"The C:N ratio is very desirable..."

"NH₄-N (ammonia residual) is very safely low..."
"Likely fully mature and sufficiently aged..."
"Very desirable accumulation of NO₃-N..."

Application rates. The following is a coverage guide for compost applied 2" & 4" deep.

To calculate your area to cover, multiply in feet the length of your project by the width for the total square feet. Then multiply by 0.17 (2 inches) for total cubic feet (.34 for 4 inches) Then divide by 27 for total cubic yards.
e.g. 20x20=400; 400 x .17=68; 68/27=2.5 cu.

1 yard:	160 square ft.	1 unit:	1,200 square ft.
2 yards:	320 square ft.	2 units:	2,400 square ft.
3 yards:	480 square ft.	3 units:	3,600 square ft.
4 yards:	640 square ft.	4 units:	4,800 square ft.
5 yards:	800 square ft.	5 units:	6,000 square ft.
6 yards:	960 square ft.	10 units:	12,000 square ft.



503.649.4568

PowerPlant[™] is produced at the ThreeMile Canyon Farms compost facility in Boardman, Oregon. ThreeMile Canyon Farms is Oregon's largest sustainable farm—operating on approximately 93,000 acres. The TCF dairy operation currently milks around 23,000 cows and provides potatoes to feed over 7.5 million people annually.

TCF is working diligently to achieve significant public benefits through rural economic development, a sustainable farming ethic and long-term environmental conservation. Most recently, Threemile secured an agreement to provide bagged soil amendments on behalf of the Oregon Garden in Silverton, Oregon.