



# **Green Infrastructure**

 Green infrastructure is the physical environment within and between our cities, towns and villages. It is a network of multi-functional open spaces, including formal parks, gardens, woodlands, green corridors, waterways, wetlands, forest, and open countryside. It comprises all environmental resources.

Source: Green infrastructure Planning Guide, C Davies, R MacFarlane, C McGloin, M Roe.



























# **Benefits of Compost Use**

### **Physical**

- Provides organic matter
- Improves structure
- Provides moisture management

### Chemical

- Modifies and stabilizes pH
- Increases CEC
- Provides nutrients

### **Biological**

- Provides soil microorganisms
- Suppresses plant diseases

### **Environmental**

- Binds/degrades contaminants
- Binds nutrients
- Sequesters air-borne carbon







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### COMPOST TECHNICAL DATA SHEET

Compost Parameters	Reported at same grounderst	Test Results	Test Residu
Plan Nutrieuts	5. wegle two	Not reparted	Natisported
Moithure Content	%, wet weight heats	40.7	201-333
Organic Marter Coureat	N, dry weight here.	54.5	
pR	ests.	112	
Soluble Salts (electrical conductivity 2011)	din (milerin)	13	
Particle Size or Sieve Size	manian eggregen vin inches	0.64	100 COLUMN 2015
Stability Indicator (respirance)	pi	/m	Stability Rame
CO <sub>2</sub> Evolution	eg CO, C g OM de	14	Table
	ng COy Cig 75 day	11	
Meturity Indicator (historray)			
Petrent Emergence	screeps % of coarnil	100.0	
Telative Seeding Vigor	average % of sourced	100.0	
Select Pathogena	PASSIFAD, per US EPA Care A resoluted, 45 CPE § 103 55(8)	700	Facal colifirm
		200	Sobsmuth
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2	

# What is good compost? Stable – low biological activity level Mature – aged for optimum plant growth Nutrient content – 0.5-2.5% N, 0.2-2.0% P and 0.3-1.5% K Organic matter content – 50-60% Moisture content – 40-50% Water holding capacity - > 100% pH – 6.0-7.5 Soluble Salts - < 6 mmhos/cm</li> Bulk density – 800-1,000 lbs/cy































































Industry Approval				
US EPA	National Menu of BMPs			
US EPA - NPDES Phase II	National Stormwater BMP list - Construction Activities			
US EPA	GreenScapes			
US EPA - Dallas	Region 6			
US EPA	Regions 5			
US EPA	Innovative Technology Inventory			
US EPA	Stormwater Tradeshow			
Federal Highway Admin	Blue Ridge			
AASHTO	MP9-05 Berms/Socks			

Industry Approval			
Minnesota	DOT		
Montana	DOT		
Nebraska	DOR		
New Hampshire	DOT		
New Mexico	DOT		
North Carolina	DOT/NC-NRCS/NCDENR-Energy, Mineral and Land Resources		
ОНІО	EPA		
Oregon	DOT		
Pennsylvania	DEP		
South Carolina	DOT		
Tennessee	DOT		
Texas	DOT / TNRCC / TCEQ		









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# RESTORATION/REMEDIATION & STABILIZATION



































































