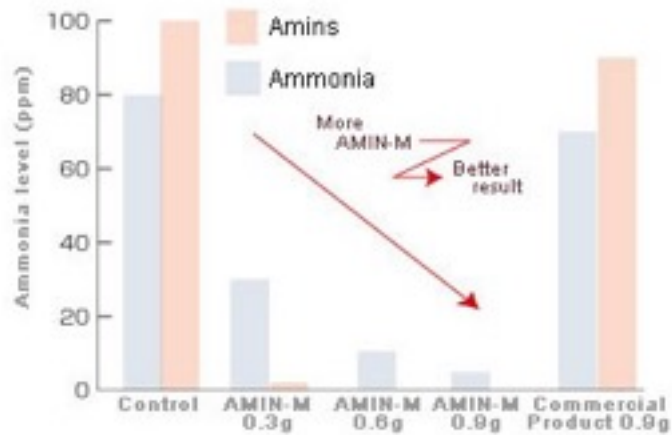


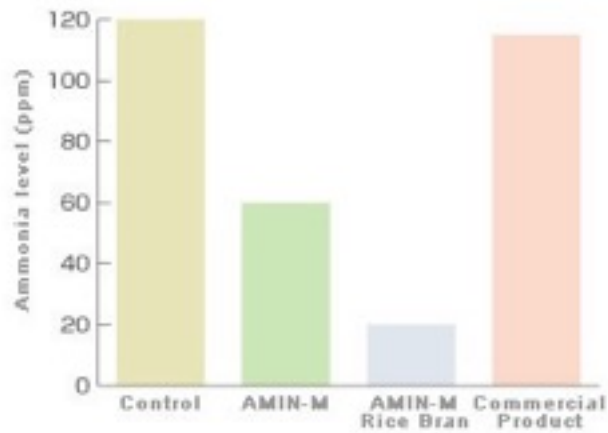
## Deodorizing Effect of AMINTOHRU-M

### Sprayed on ammonia gas



Absorbent cottons (80mm×80mm) were soaked with 1000 ppm of aqueous ammonia. They were then packed in plastic bags (280mm×200mm) and AMINTOHRU-M was sprayed in the bags. Right after AMINTOHRU-M was sprayed, concentrations of ammonia and amines were measured with gas detector tubes. The same test was repeated three times to obtain average values.

### Mixed into cow manure

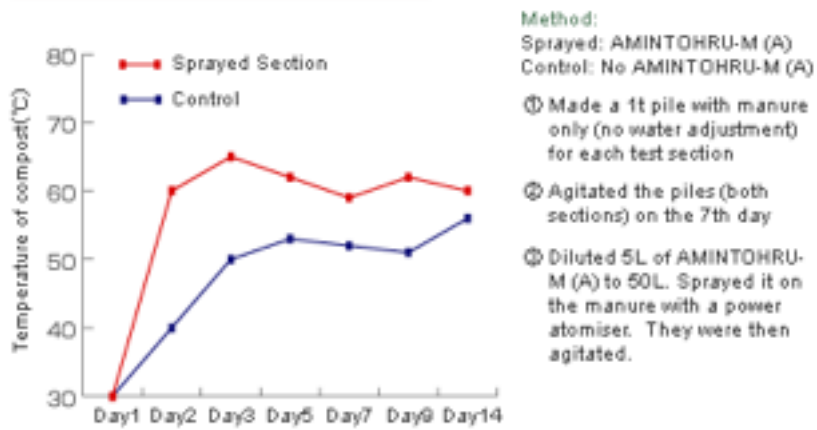


AMINTOHRU-M (A) and (B) (5% each of the amount of cow manure) were added and mixed into cow manure. Rice bran (10% of the amount cow manure) was added and mixed into cow manure. After that, the cow manure was left at rest for 2 hours at a room temperature. Then ammonia concentration was measured.

**Instant deodorizing! Long-lasting effect!**

Composting Acceleration Effect of AMINTOHRU-M

## Mixed into cow manure



### Result:

Spraying AMINTOHRU-M promoted the immediate rise in fermentation temperature. Also, the highest temperature was higher than that of the control. This test result shows that AMINTOHRU-M accelerated the fermentation of the compost.

Drastic temperature increase  
100% manure / no water adjustment!  
Evident difference!

## Mixed with Pig Manure

Section	Manure	Recycled	AMINTOHRU-M	Total
A	6.0kg	1.2kg	No application	7.2kg
B	6.0kg	1.2kg	(A) 6.0ml (B) 6.0ml ( 0.1% to manure )	7.2kg
C	6.0kg	1.2kg	(A) 60ml (B) 60ml ( 1.0% to manure )	7.2kg

Section	Before composting			After composting			Degradation ratio
	Weight	Water	Organic matters	Weight	Water	Organic matters	
A Control	7.2kg	4.47kg 62.1%	2.21kg 30.7%	4.6kg	2.26kg 57.0%	1.40kg 40.3%	36.7%
B AMINTOHRU-M Add at 0.1%	7.2kg	4.47kg 61.5%	2.25kg 31.2%	4.1kg	2.23kg 54.3%	1.32kg 32.2%	41.3%
C AMINTOHRU-M Add at 1%	7.2kg	4.47kg 60.6%	2.29kg 31.9%	4.5kg	2.77kg 61.6%	1.21kg 26.9%	47.2%

Degradation  
Accelerating Effect  
↓

### Test period:

July 11, 2005 - August 1, 2005 (22 days)

### Method:

Compact compost testing device "Kaguyahime" was used.

### Ventilation volume:

0.5L/min (0.046L/kg min)  
Manure was agitated on the 15th day.  
Application rate at the start of composting is shown in the chart.

### Result:

Higher degradation of organic matters was seen in AMINTOHRU-M section than in the control.  
This means that degradation of compost was accelerated by mixing AMINTOHRU-M with compost.