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## In cooperation with:

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- J-POWER Group (J-Pec Wakamatsu Environmental Research Institute)
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# Organic Composting – How Great

(Kids Organic Composting Manual)



# Soil Friendry for Microorganisms



## Whaaaat's Compost?

It's called compost

**Nourishing Plants** 

and animals

It's natural so it's safe!

think about **Reducing Waste at Home** what's

Lets



Southeast Asian cities have started using composting - let's have a look at how they got on Waste all over the streets Starting to make compost

and green

's become really clean



It has helped to change the mind-set of the people

All these changes happened with the technical assistance

of Kitakyushu's people



University students making compost in class rooms (St. Teresa University, Cebu Citv)



They're having street meetings (Surabaya City)



People start to work together, building community bonds (Cebu City)



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# Let's Try Making Compost //

Fermented liquid

**★**Suger

★ Water

★Fermented foods

The More Fermented Foods The Better!

Move all of the contents of

the vinyl bag to the box

Mix it once a day Do this for a week!

Put sugar, water

and mix together.

and fermented foods into the container

Yoghurt, Miso,

Sake, Natto, Yeast, Kimchi etc

What You Need

Use an aerated container

Carpet and thick cloth

Fermented liquid

Rice and rotten leaves soil

Squeeze into a ball shape,

it's ok if there is water left in

Step ]

**Containers** 

Don't let insects get in!

★Rice (2 cups)

Fill up a vinyl bag

Stop the inside getting wet!

Step **2** Growing the Micro-organisms

★Rotten Leaves Soil (15 litres)

## Once preparations are finished, we can make the compost!

## Step **3** Putting the organic waste into the box

Cut the organic waste into small pieces, put into the container and mix well



## Mix it well once a day!



#### Maturing the compost Step 4

Take compost out and keep it for maturing



By filling up half the box with compost and waiting 2 to 3 weeks, it can be used for flowers and vegetables



POINT

- 1. Separate the water well
- 2. Cut the organic waste into small pieces
- 3. Mix it well so the air can get in

If you let the air in then the bad micro-oraganisms go out and the good micro-oranisms come in



Finished!

Wow!

%In addition, if you keep the warm compost inside the plastic bag for several months, it will mature removing any unpleasant odours. Using it this way, vegetables and flowers can grow up healthily.

# Let's See What is Going on Inside the Compost //

Tasty!

In the compost there are lots of microorganisms

The microorganisms in the yoghurt and the natto help make the compost

The living organisms need regular watering to grow



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The microorganisms are working!

During this time, heat is emitted

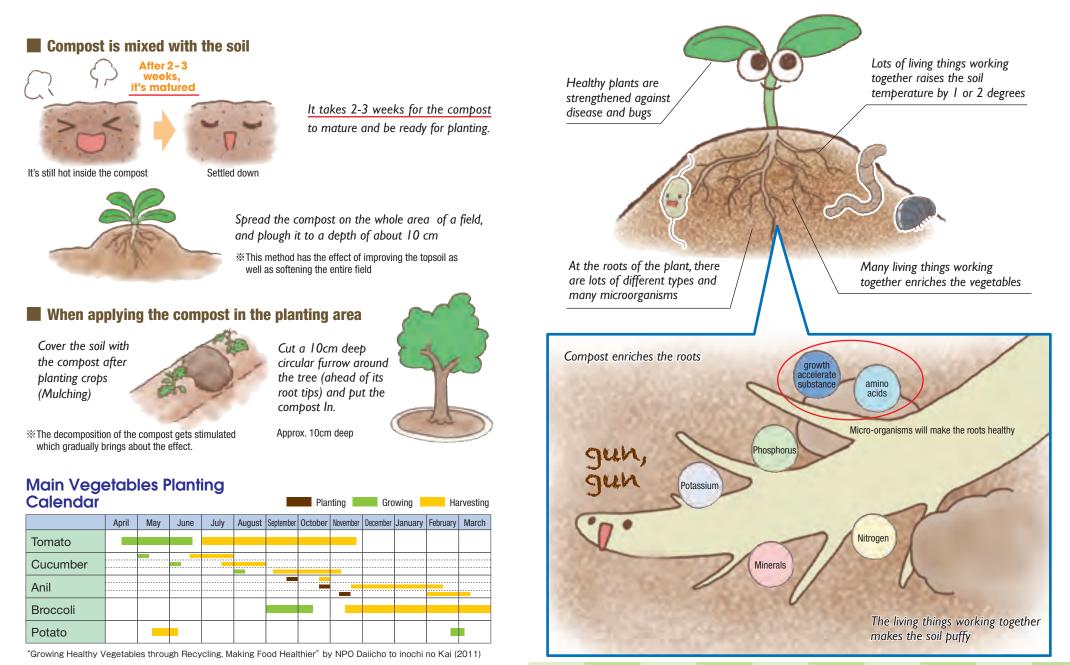
> If the compost gets hot then the micro-organisms can eat the organic waste

Something smells...

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Let's Try to Use Compost!!

How the Compost helps the Plants Grow



# So, Let's Harvest !!

Healthy soil makes for healthy plants!

# So delicious v

What are the benefits of eating healthy vegetables grown in compost

The vegetables can always keep the benefits they receive and we can get the power from the vegetables

It works in a continuous cycle

The skin of the vegetables can be composted to give the benefits to the next batch

> If you eat a lot of vegetables grown in compost soil, you can get the power

See you later!

Thanks! Thank you

## Lots of nutrition!

Vitamins, minerals etc

Strong against bugs!

Harmful bugs won't come close!