

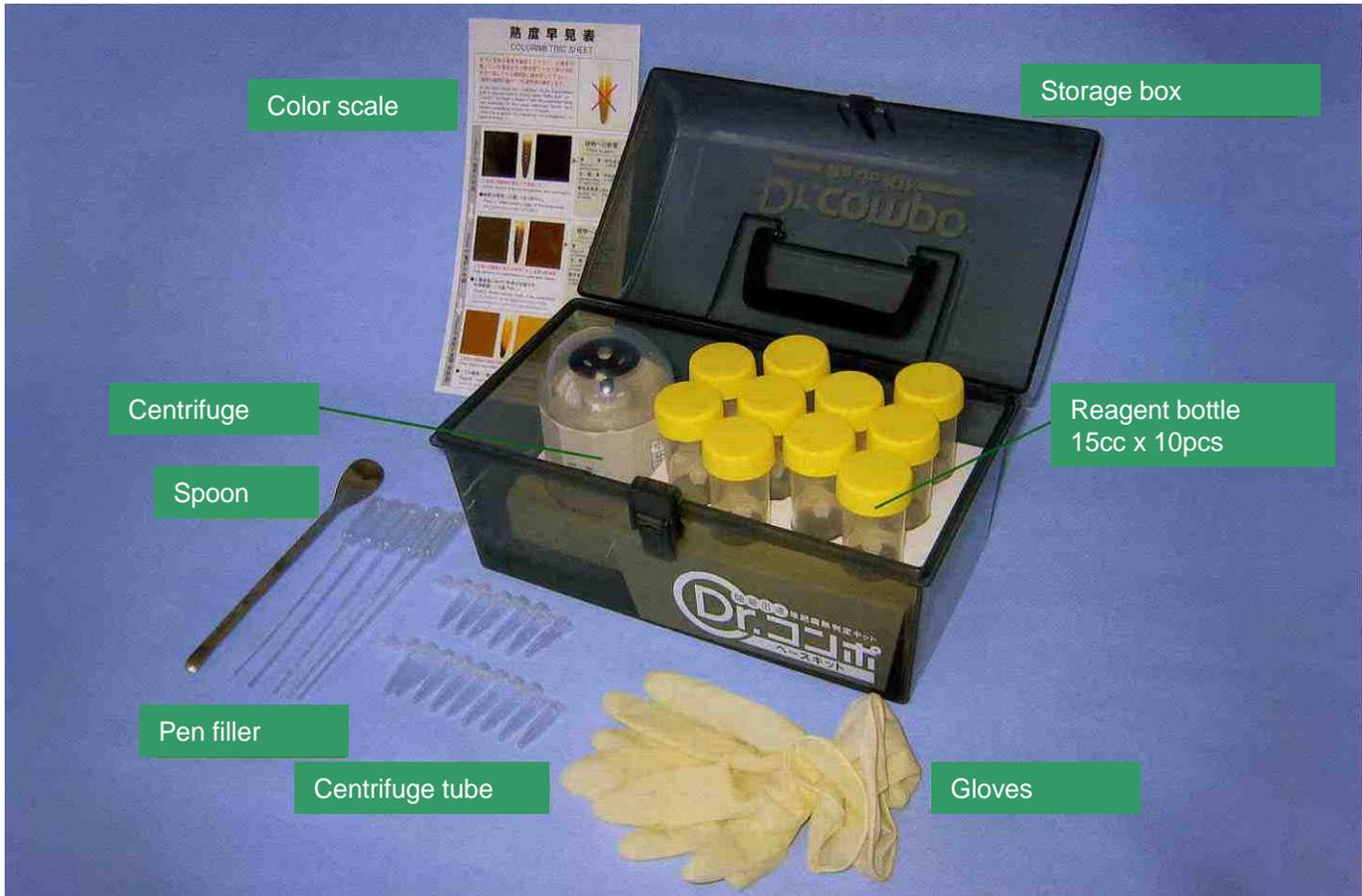
Dr.Compo

Provided with color chart for easier evaluation

immature

In process

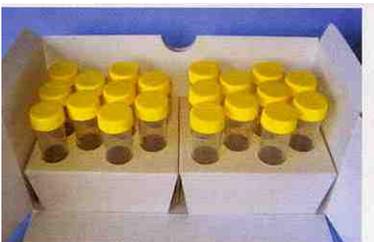
matured



Principle of evaluation

Add compost to the reagent, flocculate and precipitate the extracted matters, generated from decompose of organic matters with microbes. Then gather the top clear layer and evaluate the maturity with color tone or absorpiometry.

- Option -
Reagent set (20pcs)



Feature

- Anybody can use this simple kit
- Necessary time to evaluate – just 15minutes!
- Adopted method with high accuracy – This colorimetric analysis is closely related with existing indices. (ref.back side)
- Possible to evaluate the stage of mature
- Possible to use for the compost from kitchen refuges, plant residue, food processing residue, animal waste, etc. except for the compost from 100% woody parts
- Reagents are harmless and safe.
- The cost for evaluation is drastically reduced in comparison with existing method.

Advantages

This kit helps you to control and guarantee the quality of compost with scientific basis.

Helps you to reduce the cost for compost production

Helps you to establish reliable relationship with the consumer, and to expand the distribution network.

Verification of "Dr.Compo"

Evaluation of compost with colorimetric method of "Dr.Compo" shows close relation with biological, chemical and physical indices of maturity. The accuracy of evaluation is proved by lots of experiment.

Below graphic charts shows the correlation of change in color tone of "Dr.Compo" with the data from existing method, and relation between extinction and germination percentage or growth of tap root and root hair.

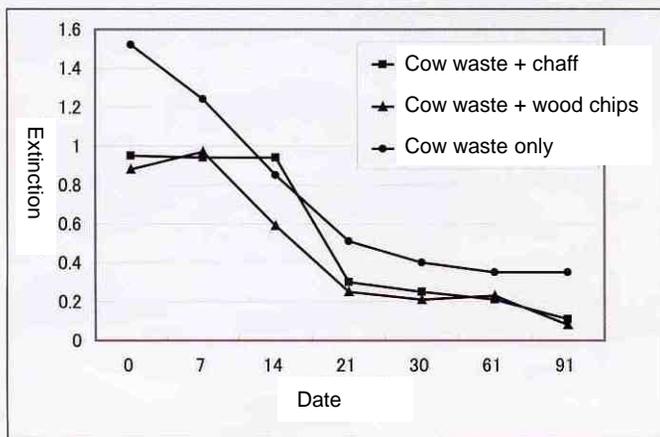
Extinction and maturity of compost

Matured compost (from milch cow)

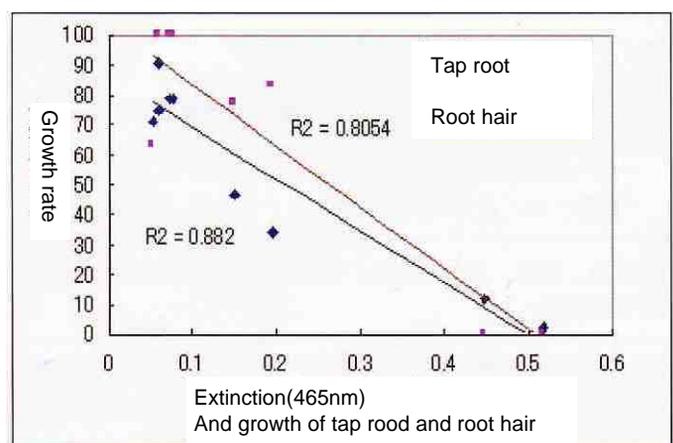
Immatured compost (from fattening cow)

week	1st	3rd	30th	1st	3rd	20th
Extintion (465nm)	0.489	0.281	0.077	0.853	0.990	0.517
Moist. (<70%)	80.3	67.0	64.7	63.1	66.5	44.4
EC(5ms/cm)	3.94	3.35	1.89	4.50	6.17	8.65
Organic (>60%)	82.4	78.4	68.3	87.5	84.6	77.2
Rooting(>80%)	20.8	37.5	104.2	6.7	6.25	0.00
pH(<8.5)	7.41	8.80	8.36	8.76	8.71	9.30
C/N(<30)	19.4	17.8	19.2	15.4	17.4	14.0
N(>1%)	2.03	2.00	1.33	2.60	2.28	2.55
P(>1%)	1.94	2.49	2.52	4.72	3.71	6.61
K(>1%)	1.92	2.29	1.33	2.27	1.90	2.14

The data in () is the standard value for evaluation of compost maturity



As the composting is proceeded, extinction rate comes lower.



As the extinction rate is reduced, the growth rate becomes higher

FHK FUJIHIRA INDUSTRY CO., LTD.

6-11-6 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan

Tel: +81-3-3812-2270 Fax: +81-3-3812-3663

URL: <http://www.fujihira.co.jp>

E-mail: akiko.furuya@fujihira.co.jp