

## The anthocyanins from sweetpotato - promising natural food colorants -



- More stable to light and heat

- Superior in color tone to other anthocyanins
- The production estimated to be 160 tons (Its sales reached US \$9 million) Physiological function
- reduction of liver injury, antioxidative activities, antimutagenecity, antihypertension activity ......etc.







## The yields and traits of "Akemurasaki" in standard harvest

Yields and traits	Akemurasaki	Ayamurasaki	Murasakimasari
Root yield (kg/a)	262	250	257
No. of root per hill	3.0	3.2	4.0
Average root size (g)	240	212	172
Starch content (%)	22.1	22.8	24.1
Color value (10%E) <sup>1)</sup>	7.9	6.7	6.4
Color value (10%E) <sup>2)</sup>	9.9	6.5	6.2
Insects and diseases resistance			
Root knot nematode	Resistant	Medium	Resistant
Root lesion nematode	Resistant	Resistant	Resistant
Black rot	Resistant	Medium	Slightly resistant
<ol> <li>Standard cultivation without vinyl mulching between 2001 and 2004.</li> <li>Early planting and late harvesting with vinyl mulching in 2002 and 2004.</li> </ol>			











