

Cite this as: Shi-kai FAN, Jun ZHU, Wen-hao TIAN, Mei-yan GUAN, Xian-zhi FANG, Chong-wei JIN, 2017. Effects of split applications of nitrogen fertilizers on the Cd level and nutritional quality of Chinese cabbage. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, 18(10):897-905.
<http://dx.doi.org/10.1631/jzus.B1600272>

Effects of split applications of nitrogen fertilizers on the Cd level and nutritional quality of Chinese cabbage

Key words: Fertilization method, Cadmium, Nitrogen, Nutritional quality

Research Summary

Fertilization methods

Ammonium
Nitrate
Amide

Yield

Cd level

soluble sugar
soluble protein

total phenolics
ascorbate
flavonoids

DPPH
scavenging
activity

Innovation points

split application
VS
single application

Ammonium
or
Amide

Cd concentration ↓
biomass ↑
nutritional quality ↑

