Morphological Variation of Growth and Development in *Aphis gossypii* Glover Collected from Different Climate Zones

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Abstract: Morphological variation of cotton aphid, Aphis gossypii Glover, collected from Vietnam, Hainan Province, Beijing and Xinjiang Autonomous Region of China were studied in laboratory. The results indicated that there were significant differences in morphology and color

under various temperatures. In particularly, head width, foreleg femur, foreleg tibia, midleg femur, midleg tibia, hindleg femur, hindleg tibia and cornicles in Hainan population showed significant differences with those of Beijing population and Xinjiang population. The size of both adult and larv aphids gradually increased with decreased temperature in general. It was found that as the latitude of location of the aphid increased, size of the adult of the populations from Vietnam, Hainan and Beijing of China developed at 15°C presented a increasing trend.

Key words: Aphis gossypii Glover; geographical population; morphology; growth and development