Biological Control of *Frankliniella occidentalis* Using *Orius strigicollis* in Lettuce

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Western flower thrips, *Frankliniella occidentalis* (Pergande) (Thysanoptera: Thripidae), is a major pest of greenhouse lettuce in Korea. *F. occidentalis* can cause direct damage by feeding or ovipositing in developing leaf. Biological control effects of thrips with *Orius strigicollis* (Poppius) (Hemiptera: Anthocoridae) were evaluated in a lettuce greenhouse. Release density of *O. strigicollis* was 500 adult per 660㎡ (=200 pyŏng). Density of the thrips suddenly decreased at 14 days after *O. strigicollis* release. Control effect of *O. strigicollis* was 73.6% in 14 days after the first release and 80.5% in 14 days after the second release in a soil cultured lettuce greenhouse. In a hydroponic cultured lettuce greenhouse, the control effect of *O. strigicollis* on the thrips was 78.6% in 14 days after the first release and 90.9% in 14 days after the second release.