

ZSA-22

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**Evaluation of the efficacy of Bird chili (*Capsicum frutescens* var *longum* L, *Capsicum frutescens* var *conid* L) and Green chili (*Capsicum annum* var *fasciculatum*) as botanical pesticides to control Black bean aphid (*Aphis fabae* Scop.) on Long bean (*Vigna sesquipedalis* L).**

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Pot culture experiment was conducted under field conditions to evaluate the efficacy of pod extracts of *Capsicum annum* var *fasciculatum*, *Capsicum frutescens* var *conid* and *Capsicum frutescens* var *longum* in the control of Black bean aphid (*Aphis fabae* Scop.), a pest of Long bean (*Vigna sesquipedalis* L), 25 ml of extracts were prepared by using 12.5 g of *Capsicum annum* var *fasciculatum*, 15 g of *Capsicum frutescens* var *conid* and 18.75 g of *Capsicum frutescens* var *longum*. These extracts and two types of controls were given to Long bean plants each with 50 aphids. Then the density of aphid population was estimated at 48 hrs interval period i.e. 1<sup>st</sup> day, 3<sup>rd</sup> day and 5<sup>th</sup> day after spraying. Population density of aphids on plants treated with three treatments was significantly different from the control experiments ( $P < 0.05$ ). Validity of three *Capsicum* varieties as botanical pesticides are being identified further.