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Popularization of improved variety of groundnut “VL Moongphali-1” to increase production of groundnut through FLD at Tawang district of Arunachal Pradesh

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ABSTRACT : With an objective to popularize of improved variety of groundnut demonstration were conducted during 2013-16 on an area of 22.0 hectare with active participants of 60 farmer's at different locations of Tawang district of Arunachal Pradesh, with improved variety of "VL Moongphali-1" and integrated crop management (Seed rate-70kg/ha. kernel seed treatment with thiram 75% WP@3g/kg seed). The result revealed that maximum mean yield 20q/h. With an increase 54% due to more number of pod/plant (20pods/plant) with average plant height 45 cm over local check (13q/h) in which only 12 pods/plant were observed. Improved variety of groundnut "VL Moongphali-1" recorded progressively increased yield during three years of study from 13.0 to 20.0 q/ha. The production gap can be bridged by use of improved variety and recommended package of practices (optimum seed rate, balanced nutrition and recommended plant protection measure). Improved technology gave higher net return of Rs. 82,000/- per hectare with benefit cost ratio of 2.3:1 as compared to local check (Rs. 40,333/- per hectare and benefit cost ratio of 1.7:1).

KEY WORDS : Groundnut, Variety, Yield, Improved technology, Benefit cost ratio

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