



## Integration of Organic and Chemical Fertilizers as Affected by Growth and Yield of Wheat (*Triticum aestivum*)

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**Abstract:** A field experiment was conducted at Students' Agriculture Farm of Khalsa College Amritsar, to study the effect of different levels of organic and chemical fertilizers as affected by growth and yield of wheat in Punjab region. Among all the treatments highest plant height, leaf area index, dry matter accumulation, effective tillers per plant, ear length and number of grains per ear were recorded in 75% of Recommended NPK + Biofertilizers + CDS and this treatment was higher over all other treatments but statistically at par with Recommended NPK (125, 62.5, 30 kg ha<sup>-1</sup>). Maximum grain and straw yield were recorded (40.5 and 60.2 q ha<sup>-1</sup>) with application of 75% of Recommended NPK + Biofertilizers + CDS and which was statistically at par with Recommended NPK (125, 62.5, 30 kg ha<sup>-1</sup>).

**Key Words:** Biofertilizers, Cow dung slurry, Farm yard manure, Grain yield, Wheat

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