

Snap bean. (*Phaseolus vulgaris*).
Applications of Impact F
Yield Increase

J. Allen, Coastal AgroBusiness,
Greenville, NC

Application of Impact F for Enhanced Snap Bean Yields, 2009

A trial was conducted in 2009 to evaluate the effects of Impact F, GreenSol™ 48 and SoySoap™ on yield when applied to snap beans. Impact F is a biological plant and yield stimulant designed for use as a foliar spray. Impact F activity uses the cell dividing properties of cytokinins and the resulting actions can produce a substantial increase in crop productions and greatly enhance crop quality. GreenSol™ 48 is a foliar spray designed to promote plant vigor and contains Kinetin and Gibberellic Acid in an 8-20-20 water-soluble fertilizer base. GreenSol™ 48 is promoted to encourage faster transition from vegetative to reproductive stage of plant development and help with fruit set. SoySoap™ is a non-toxic surfactant. SoySoap is intended to improve absorption and translocation of moisture and nutrients in all crops.

All products were applied according to label recommendations. Impact F and GreenSol™ 48 were applied on September 15, 2009 and GreenSol™ 48 and SoySoap™ were applied on September 25th, 2009. The treatment area was 0.27 acre for each of the treated areas. The untreated check was slightly larger at 0.32 acre. Yields were collected using the grower cooperators' mechanical harvester. Yields were based on pounds of snap beans harvested per test area. Calculations were made to figure pounds of snap beans harvested per acre and then converted to boxes of snap beans per acre using the conversion factor of 30 pounds per box.

Based on these results Impact F increased snap bean yield by 19 boxes over the untreated check and 24 and 29 boxes per acre over GreenSol™ 48 and SoySoap™ respectively.

Treatment	Applied	Area	Weight	Lb/Acre	Boxes/acre
Check		.32 acre	2618	8181	272
Impact F 1qt/acre	9/15/09	.27 acre	2360	8740	291
GreenSol .5lb/acre	9/15/09 & 9/25/09	.27 acre	2160	8000	267
SoySoap 1qt/acre	9/25/09	.27 acre	2120	7852	262

IMPACT F is a product of Coastal AgroBusiness, 3702 Evans Street, Greenville NC 27834
GREENSOL is a trademark of FRIT Industries, Jodie Parker Road, OZARK, AL 36360
SOYSOAP is a trademark of Biobased USA, 623 NC Highway 801 N, Mocksville NC 27028