



BACKGROUND INFORMATION	CROP AGE AT VISIT DATE: 30-11-2016	CROP PHASE		PEST & DISEASE INFESTATION		CROP HUSBANDRY	
		VEG.	REPRO D.				
Name of Framer: Mirzaad Persaud Date of visit(s): 2016/11/30 - 2016/12/11 Location: Little Biaboo, Upper Mahaica River Crop Type: Tomato Variety: Mongol Soil type: Pegasse	2 weeks- after transplanting	✓		H2K Trial	Control	H2K Trial	Control
				There was no evidence of pests or diseases.	There was no evidence of pests or diseases.	Mixture 1 of the vegetable IPOP was applied before transplanting. 15:15:15 (mix fertilizer) and urea were applied at week at week 1.	15:15:15 (mix fertilizer) and urea were applied at week 1. Coback and triazophous were applied at week 2.
OBSERVATION	H2K TRIAL			CONTROL			
	Plant Height: Plants were all uniform in height and had an average of 6". Leaf: Possessed dark green foliage. Stem: stems were sturdy.			Plant Height: Plants were not uniform in height and had an average of 4". Leaf: Leaves were pale green. Stem: stems were more flexible as compared to the trial plot.			














CROP AGE AT VISIT DATE: 2016/12/11	PLANT POPULATION %	CROP PHASE		PEST & DISEASE INFESTATION		CROP HUSBANDRY	
		VEG.	REPROD.	H2K Trial	Control	H2K Trial	Control
5 weeks - after transplanting			✓	There was no evidence of pests or diseases.	There was evidence of insect pests. Pest population was under the threshold level.	Mixture 2 of the vegetable IPOP was applied at the 5 th week.	Triazophous was applied to control insect pests.
OBSERVATION	H2K TRIAL			CONTROL			
	Plant height: Plants were relatively uniform in height, with average plant height of 16". Flowering: There was an average of 4-5 flowers per cluster on each plant and more branching was observed compared to the control. Branching: an average of 14 branches on each plant. Leaf: Leaves were all dark green, an indication of good chlorophyll production and rubbery to touch. Stems: Stems were relatively sturdy and green colour.			Plant height: Plants were not uniform in height with average plant height of 14". Flowering: There was ununiformed flowering throughout the plot and smaller clusters of flowers were seen (3-4 for some plants). Branching: There was of less branching occurring on plants as compared to the trial plot, an average of 12 branches per plant was seen. Leaf: Leaves were somewhat pale green in colour and softer in texture. Stems: Were less sturdy and as compared to the trial plot.			

PHOTOS










Photos	H2K Trial Plot	Control Plot
		
<p>REMARKS</p>	<ul style="list-style-type: none"> ✓ Improved chlorophyll production was observed on the trial plot, leaves appeared to be darker than those of the control plot. ✓ Increase in number of branches was observed on the trial plot with 14 branches/plant vs. 10 branches/ plant on the control plot. ✓ More flowering was observed with uniformity on the trial as compared to the control plot. ✓ Trial plot appeared to have developed Resistance to pest as compared to the control. ✓ Improved stems and leaf textures, leaves of the trial plot were rubbery to touch while that of the control was softer in texture, stems were also sturdier. 	

<p>Photos</p> 	 <p>World University Service of Canada (WUSC) Entraide universitaire mondiale du Canada (EUMC) 26 Lamaha & Irving Streets, Queenstown, Georgetown, Guyana wusc.ca @WorldUniService facebook.com/wusc.ca</p>   					
<p>Crop age at visit Date: 2016/12/13</p>	<p>CROP PHASE</p>		<p>PEST & DISEASE INFESTATION</p>		<p>CROP HUSBANDRY</p>	
<p>4 weeks - after transplanting</p>	<p>VEG.</p> <p>✓</p>	<p>REPROD.</p>	<p>H2K Trial</p> <p>There was no evidence of pests or diseases.</p>	<p>Control</p> <p>There was no evidence of diseases however there was evidence of shot holes in the leaves signalling the presence of insect pests.</p>	<p>H2K Trial</p> <p>Mixture 1 of the vegetable IPOP was applied at week 3. Urea and muriate of potash terminator insecticide was applied at week 4.</p>	<p>Control</p> <p>Urea and Muriate of Potash and terminator insecticide was applied at week4.</p>
<p>OBSERVATION</p>	<p>H2K Trial</p>			<p>Control</p>		
<p>Plant size: Plants were uniformed in size. Leaf: There was an average of 9 leaves per plant and most possess 3 inner leaves, leaves were noticeably larger compared to the control plot. Leaves were pale green in colour and soft in texture. Stem: Stems were pale green in colour and had a soft texture.</p>	<p>Plant size: Plants were not as uniformed in size as the trial plot. Leaf: An average of 9 leaves per plant were observed with some having 3 inner leaves. Leaves were pale green in colour and soft in texture. Stem: Stems were pale green in colour and had a soft texture.</p>					
<p>PHOTOS</p>						
<p>REMARKS</p>	<p>✓ Increased growth rate the size of leaves was relatively larger on the trial plot. ✓ Trial plot appeared to be less susceptible to pest attack as compared to the control.</p>					







BACKGROUND INFORMATION	Crop age at visit Date: 2016/11/30	CROP PHASE		PEST & DISEASE INFESTATION		CROP HUSBANDRY	
		VEG.	REPROD.				
Name of Framer: Narendra Persaud Date of visit (s): 2016/11/30 – 2016/12/13 Location: Little Biaboo, Upper Mahaica River Crop type: Hot Peppers Variety: Tiger teeth Soil type: Pegasse	7 weeks - after transplanting		✓	H2K Trial There were no evidence diseases, however there were signs of mites.	Control There were no evidence diseases; however there were signs of mites.	H2K Trial Limestone and pen manure were applied at land preparation. Urea, TSP and 12:12:17:2 were applied at 3 weeks after transplanting. Mixtures 1- 4 of the vegetable IPOP were applied in 4 consecutive weeks 4 -7. Admire and abamectin was applied to control insect pests.	Control Limestone and pen manure were applied at land preparation. Urea, TSP and 12:12:17:2 were applied at 3 weeks after transplanting. Admire and abamectin were applied to control insect pests.
OBSERVATION	H2K TRIAL			CONTROL			
	Plant height: Plants appeared relatively uniformed in size with an average height of 8" per plant. Leaf: Leaves were dark green in colour and rubbery in texture. Stem: Stems had their normal green colour with a rigid texture. Flowering: An average of 6 buds was observed per plant. There were signs of leaf burn as result of pesticide application			Plant height: Plants appeared relatively uniform in height with an average height of 12" per plant. Leaf: Leaves were dark green and normal in texture. Stem: Stems were pale green in colour and with a rigid texture. Flowering: There was an average of 3 buds per plant. There were signs of leaf burn as result of pesticide application.			
Photos							



CROP AGE AT VISIT DATE: 2016/12/13	CROP PHASE		PEST & DISEASE INFESTATION		CROP HUSBANDRY	
	VEG.	REPROD.	H2K Trial	Control	H2K Trial	Control
9 weeks - after transplanting 		✓	There were visual signs of pests and diseases present.	There were visual signs of pests and diseases present.	Mixture 5 - 6 of the vegetable IPOP was applied at weeks 7 and 8 consecutively.	No application was done.
Observation	H2K Trial			Control		
	Plant height: Plants appeared uniform in height. The average height of each plant was 19". Leaf: Leaves were dark green in colour and somewhat stiffer in texture when compared to the control plot. Stem: The stems were light green in colour and more rigid to the touch. Flowering/ fruiting: Plants had an average of 10 buds and 28 mature fruits per plant.			Plant height: Plants appear uniform in size and height. The average height per plants was 17". Leaf: leaves were normal green in colour and softer in texture as compared to the trial. Stem: The stems were pale green and rigid. Flowering/ fruiting: Plants had an average of 6 buds and 11 fruits per plant.		
	H2K Trial			Control		
						
REMARKS	<ul style="list-style-type: none"> ✓ Improved chlorophyll production was observed on the trial plot, leaves and stems appeared to be darker than those of the control plot. ✓ Increase in number of branches was observed on the trial plot ✓ More buds, flowering and fruit setts were observed with uniformity on the trial as compared to the control plot. ✓ Improved leaf textures, leaves of the trial plot were rubbery to touch while that of the control was softer in texture. 					







BACKGROUND INFORMATION	CROP AGE AT VISIT DATE: 30-11-2016	CROP PHASE		PEST & DISEASE INFESTATION		CROP HUSBANDRY	
		VEG.	REPROD.				
<p>Name of Framer: Shandil Singh</p> <p>Date of visit(s): 2016/11/30 - 2016/12/13</p> <p>Location: Little Biaboo, Upper Mahaica River</p> <p>Crop Type: Bora Variety: Fat girl</p> <p>Soil type: Pegasse</p>	5 weeks		✓	<p>H2K Trial</p> <p>There was evidence of rust.</p> <p>No evidence of pests.</p>	<p>Control</p> <p>There was evidence of rust</p> <p>There was evidence of leaf hoppers insect pest.</p>	<p>H2K Trial</p> <p>Limestone was applied at land preparation.</p> <p>Urea and 15:15:15 was applied at week 4.</p> <p>Mixture 1-3 of the vegetable IPOP was applied for 3 consecutive weeks.</p>	<p>Control</p> <p>Limestone was applied at land preparation.</p> <p>Urea and 15:15:15 was applied at week 4.</p> <p>Abamectin, caprid and divention were applied control insect pests.</p> <p>Bellis was applied to control rust.</p>
Observation	H2K Trial			Control			
	<p>Plant growth: relatively uniformed.</p> <p>Leaf: The leaves were dark green in colour and rubbery in texture.</p> <p>Vine: Appeared normal in colour.</p> <p>Flowering / fruiting: there was an average of 4 buds and 2 fruits per plant.</p>			<p>Plant growth: relatively uniformed.</p> <p>Leaf: Leaves appear lighter green in colour as compared to the trial plot.</p> <p>Vine: Stems were pale green in colour.</p> <p>Flowering / fruiting: There was an average of 4 buds per plant but no mature fruits.</p>			
Photos							





CROP AGE AT VISIT DATE: 2016/12/13	CROP PHASE		PEST & DISEASE INFESTATION		CROP HUSBANDRY	
	VEG.	REPROD.	H2K Trial	Control	H2K Trial	Control
7 weeks		✓	Leaf rust was still evident. The leafhopper insect pest and its damage were observed.	Leaf rust was still evident. The leafhopper insect pest and its damage were observed.	Mixture 4 and 5 were applied at weeks 6 & 7 consecutively. Abamectin was applied to control mites and bellis to control rust.	Abamectin was applied to control mites and bellis to control rust.
OBSERVATION	H2K TRIAL			CONTROL		
	Plant growth: Relatively uniformed. Leaf: Leaves were dark green in colour and somewhat stiffer in texture. Vine: The vines were pale green in colour and rigid to the touch. Flowering/fruiting: Plants had average of 14 mature fruits per plant, fruits were all uniform in size and length.			Plant growth: Relatively uniformed. Leaf: Leaves appeared normal green in colour and soft textured. Vine: The vines were pale green and rigid. Flowering/fruiting: Plants had an average of 8 mature fruits per plant. Fruits were all uniform in size and length.		
Photos	H2K Trial Plot			Control Plot		
						
REMARKS	✓ Improved chlorophyll production was observed on the trial plot, leaves and stems appeared to be darker than those of the control plot. ✓ More buds, flowering and fruit setts were observed with uniformity on the trial as compared to the control plot. ✓ Improved leaf textures , leaves of the trial plot were rubbery to touch while that of the control was softer in texture.					





KEY OBSERVATIONS	TRIAL	CONTROL
<p>Increase growth rate</p> <p>Crop type: Bora</p> <p>Age of crop: 4 weeks</p> <p>Products applied:</p> <p>Trial: Mixture 1 – 2 of the vegetable IPOP.</p> <p>Abamectin and capre insecticides to control white flies and mites population</p> <p>Control: 20:20:20 (bluetrex) foliar fertilizer</p> <p>Abamectin and Capre insecticides to control white flies and mite population</p> <p>Observation: there was noticeable increase in growth rate in the trial plot as compared to the control i.e. number of leaves, branches.</p>		





KEY OBSERVATIONS	TRIAL	CONTROL
<p>Crop rejuvenate</p> <p>Crop type: Wir - wiri pepper</p> <p>Age of crop: 8 months</p> <p>Condition: Crop was pass stage of optimum production abandoned by farmer.</p> <p>Products applied:</p> <p>Trial: Mixture 1- 3 of the vegetable IPOPOP was applied with 2 applications of mixture 1</p> <p>Control: No products were applied.</p> <p>Observation: Complete rejuvenation of the plants that the IEC products were applied to i.e. foliage, flowering and fruiting.</p>		




KEY OBSERVATIONS	TRIAL	CONTROL
<p>Decrease in susceptibility of plants to pest attack</p> <p>Crop type: Eggplant</p> <p>Age of crop: 3 months</p> <p>Products applied</p> <p>Trial: Mixture 1- 3 of the vegetable IPOP</p> <p>Control: 15:15:15 (mix fertilizer) Abamectin and capre insecticides</p> <p>Observation: Plant leaves of the trial plot were less affected by the insect pest damage compared to the plant leaves of the control plot.</p>		



KEY OBSERVATIONS	TRIAL	CONTROL
<p>Promotes flower & fruit hold/ retention</p> <p>Crop type: Tomato</p> <p>Age of crop: 2 ¾ months</p> <p>Products applied</p> <p>Trial : Mixture 1 to 4 of the vegetable IPOP was applied.</p> <p>Control: 15:15:15 (mix fertilizer) Abamectin and capre insecticides</p> <p>Observation: Was observed that plants on the control plot experienced some difficulty in retaining its flowers and fruits, however this wasn't the case on the trial plot.</p>		



KEY OBSERVATIONS	TRIAL	CONTROL
<p>Decrease in susceptibility of plants to pest attack</p> <p>Late flowering in trial plot vs. early flowering in control Plot</p> <p>Crop type: Poi (Calaloo)</p> <p>Age of crop: 2 ½ months</p> <p>Products applied: Mixtures 1-3 of the vegetable IPOP</p> <p>Control – Cow manure only</p> <p>Observation: It was observed that the plants on the control plot was more susceptible to pest attack and experienced early flowering, this was not so for the trial plot.</p>		



KEY OBSERVATIONS	TRIAL	CONTROL
<p>Larger fruits</p> <p>Crop type: Bora</p> <p>Age of crop: 3 months</p> <p>Products applied:</p> <p>Trial: Mixture 1 – 4 of the vegetable IPOP was applied 5 was applied with mixture 1 twice.</p> <p>Control: 15:15:15 (mix fertilizer) Abamectin and capre insecticides</p> <p>Observation: It was observed that the plants of the trial plot produced more fruits with uniformity for 3 months, while the control did so for 2 month.</p>	