

Name of Farmer: Amarjit Singh Dhillon

Father's Name: Sh. Jarnail Singh Dhillon

Address: VPO Bargari, District Faridkot

Phone: 9814322390

E Mail ID: asbargari@gmail.com

Total Land Holding: 25 Acres

Orchard:



Name of fruit	Variety	Area (Acres)	Age of orchard (Years)
Mandarin	Kinnow	2.25	8
		2.25	1
Guava	Sardar	1.25	12
	Shweta + Allahabad Sufeda	1.00	1
Grapes	Perlette	1.00	8
	Flame Seedless	0.5	8

Agri-machinery: Tractor, trailer, cultivator, plunker, Ridger, seed drill, leveler. Automatic power sprayer, low cost bed maker

Storage/Pack House: Pack house to pack fruits and vegetables

One shed of 1000 sq. ft to store inputs

Irrigation: Water storage tank with storage capacity of 40 lakh liters + drip irrigation system, two tube wells (motor operated), Solar pump to lift water from tank and used for drip irrigation.

Innovations: He is a highly innovative farmer and has developed/modified various agricultural technologies. He has developed an automatic spray pump by attaching the arms to the traditional pesticide tank; these arms can reach up to 20 feet height. He has kept these arms movable which ensures uniform covering of the tree. It is general practice of the farmers to drain the excessive rain-water in the non-working tube-well by boring a separate cavity. But he has modified this technology and is harvesting the rain water in working tube-well by using suction pipe attached below the centrifugal pump. It not only saves the expenditure on making of separate cavity or boring of the well but also the quality of the water taken out from the tube-well has improved. In order to increase income per unit and utilization of farm land, he is adopting intercropping in his horticulture farm. He is growing summer squash under the grapes.


Brief Achievements in Fruit Production/Awards: In recent times, when farmers are reeling under the debt, possible fallout of monoculture of paddy and wheat, there is an exception- Amarjit Singh Dhillon. His farm is a picture- perfect highly diversified farm that boasts of variety of crops ranging from wheat, paddy, and cotton to horticultural crops viz. Kinnow, grapes, guava, cucurbits, tomato, onion and capsicum. He has an orchard of 3.3 ha comprising of

kinnow, guava and grapes. Besides, he has allocated 1.5 ha for vegetable cultivation. Overall, he has an operational land holding of 8 hectares, out of which, almost 50 per cent of the area is under horticultural crops. His quest for glory started in the year 2001, when he undertook a three months regular training course in practical education from PAU. Being a mechanical engineer by qualification, he turned down lucrative job offers and opted for agriculture as a profession. He took trainings from KVK Faridkot in various aspects of horticulture. He champions the conservation of natural resources and has developed rainwater harvesting system at his farm. He has installed drip irrigation system throughout his farm and harnesses the benefits of solar energy to uplift water from storage tanks. He practices mulching at his farm. He has planted his kinnow orchard following HDP and makes use of methyl euginol traps in his guava orchard.

He has designed his farm in a way that during each month of the year, he harvests one or the other crop so that there is no shortage of money. The harvesting schedule from his farm is as follows:

January	:	Kinnow, Guava
February	:	Summer squash, Kinnow, Guava
March	:	Capsicum, Summer squash, Guava
April	:	Wheat , Summer squash, Capsicum, Bottle gourd, Tomato
May	:	Tomato, Capsicum, Bottle gourd
June	:	Grapes var. Perlette
July	:	Bottle gourd and Grapes var. Flame Seedless
August	:	Guava, Bottle gourd
September	:	Bottle gourd, Guava
October	:	Paddy, Bottle gourd
November	:	Basmati, Bottle gourd, Guava
December	:	Guava, Kinnow

He has never given his orchard on contract for harvesting to any local dealer. He always harvests the produce himself, grades it and markets the produce at his own to earn higher benefits. He has never wavered from the recommended practices and has always followed the advice of agricultural scientists from university. He always uses the recommended dose of recommended chemicals and has a full confidence in recommended practices. Due to his achievements, he has been acting as a role model for rural youth in the area. He guides and trains rural youth at his farm free of cost so as to enable them to be self-sufficient. His farm has been nominated as a **MODEL AGRICULTURE FARM** by local people and Govt. organizations. Various Departments have conducted a number of exposure visits at his farm. He has been nominated as a member of various boards and committees at State and District level like State advisory committee, Department of co-operation, Punjab, Fruit and Vegetable Farmer's



Committee, P.A.U. Ludhiana, District Agriculture Production Committee, Faridkot, National Horticulture Mission, Faridkot, Governing board ATMA, Faridkot and P.A.U. Kisan Club, P.A.U., Ludhiana. His success has impressed many young school drop-outs from adjoining villages to follow his foot-steps.

He has won many awards and accolades for his farming achievements. He was conferred with Punjab Agricultural University's Chief Minister Award for the year 2006 and with State Award by the Government of Punjab in 2010. He was honored by the State Government during Progressive Punjab Agriculture Summit held at Chaparchiri from Feb 16-19, 2014. Truly, he is an inspiration for farmers who are aspiring to scale new heights in the field of horticulture.

Name of Farmer : Gurraj Singh Virk
Father's Name: Sh. Swaran Singh Virk
Address: Duareana Road, Kotkapura District Faridkot
Phone: 9417390129
E Mail ID: gurrajsinghvirk@hotmail.com
Total Land Holding: 40 Acres
Orchard :



Name of fruit	Variety	Area (Acres)	Age of orchard (Years)
Mandarin	Kinnow	7	30
		7	20
		7	15

Agri-machinery: Tractor, trailer, cultivator, plunker, Ridger, seed drill, leveler. Automatic power sprayer, fodder cutter cum pruner, kinnow cleaning cum grading machine


Storage/Pack House: Pack house to pack fruits

Irrigation: Water storage tank + drip irrigation system

Innovations: Automatic power sprayer, Fodder cutter cum pruner, Kinnow cleaning cum grading machine.

Brief Achievements in Fruit Production/Awards: He is 59 years old, higher Secondary pass farmer and has been engaged in horticulture for the past 30 years. Kinnow is not a traditional crop of this area owing to high soil pH and poor quality of underground water. It was his inner strength and self-belief that he took to horticulture in the year 1983. He undertook trainings from P.A.U, KVK Faridkot and Department of Horticulture to hone his skills. Now he has kinnow cultivation on 21 acres of land. Conservation of natural resources is his forte. He has installed drip irrigation system at his orchard and implies mulching during peak summer months to conserve soil moisture. He advocates green manuring, especially, in young kinnow plantations as means of improving soil health. He has planted kinnow under both traditional as well as High Density Planting. He has designed an indigenous spray pump and tree pruner. He has molded a traditional fodder cutter into tree pruner. He has planted kinnow trees at spacing of 20 ft X 10 ft. Frequent intermingling of branches adversely affects light penetration in to the interior of tree canopy. Manual pruning is very costly. He has adjusted indigenous fodder cutter at right angles and thereby does hedge pruning, which eventually, helps him save Rs 10,000 per acre on labour costs.

He has designed a low cost kinnow cleaning cum grading machine having a capacity of 2 tonnes per hour. It costs him just Rs 125 to clean and grade 2.0 tonnes of fruit but the biggest advantage is saving of Rs 1000 on manual cleaning. The mechanically graded produce fetches a premium price in local market. He markets his produce himself and as such earns premium price in the market. Last year, he earned a net profit of Rs 1.5 lacs per acre from his kinnow plantation of 15 years. Laurels in the field of horticulture has earned him a place in various high level committees viz. PAU's Fruit and Vegetable Growers' Advisory Committee and Malwa Fruit



and Vegetable Growers' Committee. Various departments take farmers' tours and visits to his farm to show case his success. His kinnow has won many state and district level awards. He was felicitated with best kinnow grower for the year 2010-11 and 2011-12 by National Horticulture Board. He was honored during Kisan Mela organized by Monthly agricultural magazine "Advisor" during March 2012. He was awarded with Chief Minister's Award during Kisan Mela held at PAU on March 15, 2013. He has inspired many farmers to take to horticulture and has helped other farmers to start kinnow cultivation in around 150 acres in the district. He has to his credit 7 popular articles and one book on kinnow cultivation. He has four children, three of them being doctors. He gives full credit to KVK, Faridkot and State Department of Horticulture in honing his skills to become a successful kinnow grower of the region.

Name of Farmer: Harjeet Singh Brar
Father's Name: Sh. Gurjant Singh Brar
Address: VPO Deleanwali district Faridkot
Phone: 9888840639
E Mail ID: harjeetbrar211@gmail.com
Total Land Holding: 0 Acres
Orchard:



Name of fruit	Variety	Area (Acres)	Age of orchard (Years)
Mandarin	Kinnow	6	8
		18	3

Agri-machinery: Tractor, trailer, cultivator, planker, Ridger, seed drill, leveler. Aeroblast sprayer, kinnow cleaning cum grading machine

Storage/Pack House: Pack house to pack fruits


Irrigation: Water storage tank with capacity of 42 lakh liters + drip irrigation system

Innovations: -

Brief Achievements in Fruit Production/Awards: His quest for glory in the field of kinnow cultivation started when he visited the kinnow orchard of S. Balwinder Singh Tikka at Abulkhurana. He started with kinnow cultivation on area of 6.0 acres. He planted his kinnow orchard under High Density Planting system. Initially he faced many hiccups viz. *Phytophthora* foot rot, citrus psylla and leaf miner. It was his dedication and urgency to learn the finer points of kinnow cultivation that kept him afloat and he started reaping the benefits. He undertook trainings from P.A.U, KVK Faridkot and Department of Horticulture to hone his skills. With the guidance of PAU experts, he installed drip irrigation system and built a water storage tank of capacity 42 lakh liters, wherein, he stores the canal water. He harnesses the benefits of solar energy to uplift water from storage tanks and has solar panels installed at his orchard. Buoyed by the success of kinnow cultivation, he has increased the area from 6.0 acres to 24.0 acres in the year 2012.

Conservation of natural resources is his forte He implies mulching during peak summer months to conserve soil moisture. He advocates green manuring, especially, in young kinnow plantations as means of improving soil health. He has planted kinnow at 20 m X 10 m and 20 m X 15 m. He implies an indigenous aeroblast spray pump that ensures uniform spray application. This has helped him tackle the menace of citrus psylla, white fly and leaf miner to a great extent.

He borrowed an idea from Gurraj Singh Virk, an eminent kinnow grower of the region, and designed a low cost kinnow cleaning cum grading machine having a capacity of 2 tonnes per hour. It costs him just Rs 125 to clean and grade 2.0 tonnes of fruit but the biggest advantage is saving of Rs 1000 on manual cleaning. The mechanically graded produce fetches a premium



price in local market. Being an *arhitya* himself, penchant for self marketing is in his blood and he markets his produce himself and as such earns premium price in the local market itself. Last year, he earned a net profit of Rs 1.15 lacs per acre from his kinnow plantation of 8 years. He has inspired many farmers to take to horticulture. He gives full credit to KVK, Faridkot and State Department of Horticulture in honing his skills to become a successful kinnow grower of the region.

Name of Farmer: Amanpreet Singh Brar
Father's Name: Sh Mahinder Singh Brar
Address: Harindra Nagar, Faridkot, distt. Faridkot
Phone: 9463600906
E Mail ID: amanbrar_fdk@yahoo.com
Total land holding: 27 Acres
Orchard:



Name of fruit	Variety	Area (Acres)	Age of orchard (Years)
Mandarin	Kinnow	4	13

Agri-machinery: Tractor, trailer, cultivator, planker, Ridger, Rotavator, leveler. Automatic power sprayer, kinnow cleaning cum grading machine

Storage/Pack House: Pack house to pack fruits


Irrigation: Water storage tank with capacity 40lakh liters + drip irrigation system

Innovations: -

Brief Achievements in Fruit Production/Awards: Being an engineer by qualification, he turned down lucrative job offers and opted for agriculture as a profession. He took trainings from KVK Faridkot in various aspects of horticulture. Sh Rabinder Singh, an eminent horticulturist from the district was his mentor. Although, he is a native of district Faridkot, he has his orchard at village Hariyewala in district Moga. As such, he is sole kinnow grower in district Moga. He started with kinnow cultivation on area of 4.0 acres. He planted his kinnow orchard under High Density Planting system. With the guidance of PAU experts, he started drip irrigation and built a water storage tank of capacity 40lakh liters, wherein, he stores the canal water. He harnesses the benefits of solar energy to uplift water from storage tanks and has solar panels installed at his orchard.

He advocates conservation of natural resources and implies green manuring, especially, in young kinnow plantations as means of improving soil health. He has planted kinnow at 20 ft X 10 ft. He has designed an automatic spray pump with movable arms that ensures uniform spray application. This has helped him tackle the menace of sucking pests in kinnow to a great extent. He has successfully tackled the menace of *Phytophthora* foot rot in kinnow. He had tagged foot rot infested trees with red tags and tried combination of Ridomil + Aliette along with 50 per cent pruning. After two years, these severely infested kinnow trees rejuvenated in to healthy bearing trees. Quite recently, he has started implying mulching with paddy straw to conserve soil moisture.

He makes use of a low cost kinnow cleaning cum grading machine having a capacity of 2 tonnes per hour. It costs him just Rs 125 to clean and grade 2.0 tonnes of fruit but the biggest advantage is saving of Rs 1000 on manual cleaning. The mechanically graded produce fetches a



premium price in local as well as distant markets. He markets his produce in metro cities of Punjab viz. Amritsar, Ludhiana and Bathinda. Last year, he earned a net profit of Rs 1.25 lacs per acre from my kinnow plantation of 13 years. He gives full credit to KVK, Faridkot and State Department of Horticulture in honing his skills to become a successful kinnow grower of the region. Buoyed by the success of his venture, he has decided to extend his acreage under kinnow cultivation to 14 acres from 4.0 acres.

Name of Farmer: Harish Gandhi
Father's Name: Sh. Diwan Chand Gandhi
Address: Dhoda Street, Kot Kapura, Distt. Faridkot-151204
Phone: 98147-21334
E Mail ID: -
Total Land Holding: 200 acre
Orchard:



Name of fruit	Variety	Area (Acres)	Age of orchard (Years)
Mandarin	Kinnow	15	25
		25	15

Agri-machinery : Tractor, automatic sprayer, mini waxing unit, Rotavator
Storage/Pack House: -

Irrigation: Canal irrigation

Innovations: Intercropping of poplar with kinnow planted at 25 ft X 12.5 ft

Brief Achievements in Fruit Production/Awards: Born in an affluent and landlord family of Kotkapura, horticulture was in his blood. His father Sh. Diwan Chand Gandhi was probably the first person from the area that ventured in to horticulture in late 60s, when he planted sweet orange cvs mosambi and blood red. The success propelled them to plant kinnow orchard in early 70s. Being well qualified graduate, Mr Harish Gandhi carried forward the legacy of his father by cultivating kinnow on 40 acres. Many eminent horticulturists from the district including Sh. Gurraj Singh Virk consider him as their mentor.

He is a highly innovative orchardist. He has planted his kinnow orchard under both traditional (20 ft X 20 ft) as well as under High Density Planting (20 ft X 10 ft). He has also experimented with plant spacing of 25 ft X 12.5 ft which has helped him accommodate poplar as intercrop. He advocates green manuring, especially, in young kinnow plantations as means of improving soil health. He has designed an indigenous aeroblast spray pump that ensures uniform spray application. This has helped him tackle the menace of citrus psylla, white fly and leaf miner to a great extent.

He has installed mini grading cum waxing unit. The mechanically graded and waxed produce fetches a premium price in local as well as distant markets. He has penchant for self marketing is in his blood and he markets his produce himself and as such earns premium price in the local market itself. He is even selling his produce in metro cities of Punjab viz. Ludhiana, Jalandhar and Amritsar. Laurels in the field of horticulture have earned him a place in various high level committees viz. Malwa Fruit and Vegetable Growers' Committee. He is the former chairperson of this committee. Various departments take farmers' tours and visits to his farm to show case his success.

Name of Farmer: Sukhmandar Singh

Father's Name: Sh Hazoor Singh

Address: Partap Nagar St. No.7, Kotkapura, district Faridkot

Phone: 94173-20013

E Mail ID: -

Total Land Holding: 50 Acres

Orchard:



Name of fruit	Variety	Area (Acres)	Age of orchard (Years)
Mandarin	Kinnow	32	13

Agri-machinery: Tractor, trailer, cultivator, planker, Ridger, Rotavator, leveler. Aeroblast sprayer, mini grading cum waxing unit.

Storage/Pack House: Pack house to pack fruits

Irrigation: Water storage tank with capacity 40lakh liters + drip irrigation system

Innovations: Mini grading cum waxing unit

Brief Achievements in Fruit Production/Awards: Sh. Sukhmandar Singh ventured in to horticulture in the year 2002. Born in to an agrarian family, he was always interested in doing something extraordinary. Prior to 2002, he was cultivating paddy, wheat and cotton at his farm. In the year 2001, he became a member of Malwa fruits and vegetable growers' association and was highly motivated to take out some of his acreage from traditional crops under fruit crops. Being highly proactive, he started with kinnow cultivation on area of 32 acres. He planted his kinnow orchard under traditional Planting system (20 ft X 20 ft). Initial setbacks in terms of *Phytophthora* foot rot, frequent emergence of water shoots and weed infestation, possible fallout of flood irrigation, forced him to rethink his strategies regarding irrigation management. He came in contact with experts from PAU and State Deptt. of Soil Conservation. With expert advice, he brought his entire orchard under drip irrigation. He availed the subsidy from Deptt. of Soil conservation and built a water storage tank having storage capacity of 42 lakh liters wherein, he stores the canal water. He harnesses the benefits of solar energy to uplift water from storage tanks and has solar panels installed at his orchard. In the year 2005, Department of Soil Conservation held a state level field day on drip irrigation at his farm to showcase the success he has achieved in his orchard.

He makes use of aeroblast spray pump that ensures uniform spay application. This has helped him tackle the menace of sucking pests in kinnow to a great extent. During the initial years of orchard, he made use of sunhemp and dhaincha as green manuring crops.

He has designed a mini grading cum waxing unit which ensures better returns to his produce. He markets the produce in major cities of Punjab and Delhi. He has his own truck. He or his son drives the truck to market the produce. Last year, he earned a net profit of Rs 1.50 lacs per acre from his kinnow plantation of 13 years. He gives full credit to KVK, Faridkot and State Department of Horticulture in honing his skills to become a successful kinnow grower of the region.