

Kings County Department of Agriculture

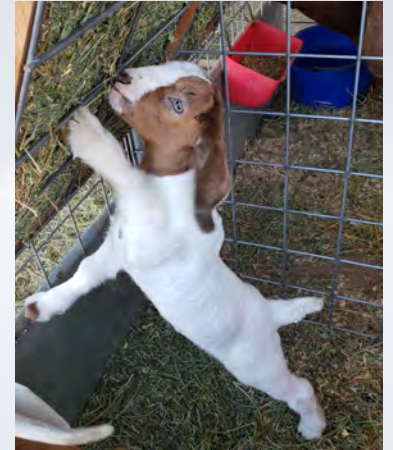


2018 Crop Report

Cover Story

Capra aegagrus hircus or Goat as it is more commonly known, is one of the first domesticated animals and has been a livestock staple dating back more than 25,000 years. Stone Age farmers in the East played a pivotal part in the domestication and adaptation of today's goat, advancing agriculture technology not only in Asia, but all over the world. Fast forward to today where over 300 goat breeds exist worldwide, with about 20 major breeds occurring in the United States. Oddly enough, the uses in the early days are much the same as now - milk, grazing, and meat. One use though, that is not seen as often as many years ago, is their use as currency.

Used for milking, grazing, and meat, goats really are the little animal that could! Kings County's goat inventory has exploded since 2003. That year's crop report totaled the number of goats in the county at 3,100. In 2018, the number had skyrocketed to more than 19,133, an increase of 617% in that 15 year time span.



A drive through the county will show that goats in all shapes and sizes are becoming the livestock animal of choice for many, not just in Kings County, but throughout California. With their low overhead costs and spirited personalities, these lovable creatures are finding their way into many livestock herds. Contrary to popular belief, goats are actually quite picky in terms of what they will eat, so your tin cans and other odds and ends are safe from these grazers.

Got (goat) milk? While cows remain the top choice in Kings County for dairy farmers, goats are making headway. Nestled on much smaller parcels, there are currently nine goat dairies in the county contributing more than 2.1 million gallons of goat milk. This milk is used in many products including cheese, candy, yogurt, ice cream, soap and of course, beauty products. The wonder fluid has also been known to have anti-inflammatory, as well as anti-allergic properties.

Although a relative late comer to the United States, the boer goat has made a big impact on the goat industry. Finding its way to the United States from South Africa in 1993, the boer goat has rapidly gained acceptance and is used more prevalently for meat purposes. With its high fertility and fast growth rate, the boer lends itself to lean and healthy cuts of red meat. According to the USDA, goat meat is lower in calories and cholesterol, packing a punch when compared to chicken, beef, pork and lamb.

Photo by Shawna Hamilton, Stratford



These versatile animals are multi-use as well, finding themselves to be not only prized for their meat and milk, but for their use as master grazers. Love coffee? Thank a goat. Coffee has been said to be first discovered by goats when herders noticed animals acting incredibly energetic after ingesting coffee beans. Do you have a luxurious angora or cashmere sweater? Make sure you thank our four legged friends since that sweater originated from their back. Goats have proven throughout history to be a benefit to properties all over as well as downright entertaining. So take a minute to appreciate the fun spirit, good nature, and versatility of the goat!



Department of Agriculture / Measurement Standards

JIMMY HOOK
Agricultural Commissioner
Sealer of Weights and Measures

July 16, 2019

Secretary Karen Ross
California Department of Food and Agriculture
and
The Honorable Board of Supervisors
County of Kings, California

It is my privilege to submit to you the 2018 Annual Agricultural Crop Report for the County of Kings. This report contains statistical information on the acreage, yield and gross values in accordance with Sections 2272 and 2279 of the California Food and Agricultural Code. The numbers in this report are gross values and do not represent net income or loss to producers.

The gross value of all agricultural crops and products produced during 2018 in Kings County was \$2,351,983,000. This represents an increase of \$293,568,000 (14.3%) from the 2017 value.

Fruit and Nut Crops had the largest increase in value at \$145,512,000 (28.4%) due primarily to an increase in production and price of pistachios. Field crops increased in value \$83,096,000 (21.2%) due largely to higher alfalfa hay and corn silage prices, as well as higher cotton yields. Vegetable Crops increased \$35,464,000 (19.7%) due mainly to an increase in processing tomato acreage and prices. Livestock and Poultry increased in value \$24,245,000 (9.0%) due primarily to an increase in the number of chickens sold. Seed Crops increased \$5,109,000 (77.2%) due to an increase in acreage and higher prices for a few of the seed crops. Livestock and Poultry Products also increased \$374,000 due largely to an increase in the value of goat milk and an increase in wool production.

Apiary products had the only decrease in value at \$232,000 due largely to a decrease in the prices for pollination of a few commodities.

Milk continues to be the top commodity with a value of \$676,669,000 in 2018.

My thanks and appreciation is extended to the many producers and organizations who contributed information for this report. This report was compiled and prepared by Shanna Robbins, Agricultural and Standards Inspector, Janet Eckles, Agricultural and Standards Inspector, and Steve Schweizer, Deputy Agricultural Commissioner/Sealer.

Respectfully Submitted,

Jimmy Hook

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County Administration

Ag Commissioner - Sealer Personnel

County Administrative Officer

Rebecca Campbell

Kings County Board of Supervisors

Joe A. Neves	District I	Richard Valle	District II
Doug Verboon	District III	Craig Pedersen	District IV
Richard Fagundes	District V		

Agricultural Commissioner - Sealer of Weights and Measures

Jimmy Hook

Deputy Agricultural Commissioner - Sealers

Lynda Schrupf Steve Schweizer

Deputy Agricultural Commissioner

Mario Gutierrez

Agricultural and Standards Inspectors

Mallory Areias Jared Ball Randall Bray Aaron Brown Janet Eckles
Elvis Martinez Celso Maya-Gaona Garen Oliveira Bruce Perez Jason Perez
Rafael Perla Alfredo Prieto Shanna Robbins Robert Torrez

Agricultural and Standards Aides

Andrew Larson Garrett Roe Grant Verdegaal

Executive Secretary

Jennifer Rios

Account Clerk

Julie Henderson

Office Assistants

Chelsey Huckabay Janet Trujillo

Field Crops

Crop	Year	Harvested	Production		Unit	Value	Total
		Acres	Per Acre	Total		Per Unit	
Alfalfa, Hay	2018	27,124	8.04	218,077	Ton	\$212.00	\$46,232,000
	2017	22,903	7.49	171,543	Ton	\$177.00	\$30,363,000
Alfalfa, Silage a/	2018						
	2017	557	6.56	3,654	Ton	\$35.10	\$128,000
Alfalfa, Silage All Year a/	2018						
	2017	1,620	21.35	34,587	Ton	\$39.20	\$1,356,000
Barley, Silage	2018	6,189	14.03	86,832	Ton	\$36.60	\$3,178,000
	2017	7,318	13.02	95,280	Ton	\$26.00	\$2,477,000
Corn, Silage	2018	48,153	25.95	1,249,570	Ton	\$49.60	\$61,979,000
	2017	48,107	23.20	1,116,082	Ton	\$41.80	\$46,652,000
Cotton, Acala - Lint b/	2018	8,684	3.92	34,041	Bale	\$425.00	\$14,467,000
	2017	10,599	2.93	31,055	Bale	\$396.00	\$12,298,000
Cotton, Acala - Seed	2018			14,042	Ton	\$295.00	\$4,142,000
	2017			12,810	Ton	\$280.00	\$3,587,000
Cotton Pima - Lint b/	2018	91,720	3.52	322,854	Bale	\$686.00	\$221,478,000
	2017	101,791	2.67	271,782	Bale	\$746.00	\$202,749,000
Cotton Pima - Seed	2018			133,177	Ton	\$245.00	\$32,628,000
	2017			112,110	Ton	\$255.00	\$28,588,000
Forgae c/	2018	434	12.07	5,238	Ton	\$43.90	\$230,000
	2017				Ton		
Oat, Hay	2018	1,656	3.85	6,376	Ton	\$170.00	\$1,084,000
	2017	1,039	3.04	3,159	Ton	\$94.00	\$297,000
Oat, Silage c/	2018	518	14.97	7,754	Ton	\$50.00	\$388,000
	2017				Ton		
Pasture Range	2018	337,071				\$12.80	\$4,315,000
	2017	337,691				\$13.50	\$4,559,000

Field Crops

Crop	Year	Harvested	Production		Unit	Value	Total
		Acres	Per Acre	Total		Per Unit	
Sorghum Silage	2018	13,147	19.45	255,709	Ton	\$39.20	\$10,024,000
	2017	16,897	15.16	256,159	Ton	\$31.30	\$8,018,000
Sudan, Hay c/	2018	1,232	7.21	8,883	Ton	\$133.80	1,189,000
	2017				Ton		
Triticale, Silage	2018	3,963	16.24	64,359	Ton	\$38.50	\$2,478,000
	2017	1,776	15.82	28,096	Ton	\$30.40	\$854,000
Wheat, Grain	2018	20,231	2.31	46,734	Ton	\$220.00	\$10,281,000
	2017	18,048	2.53	45,661	Ton	\$214.00	\$9,771,000
Wheat, Hay	2018	1,517	3.83	5,810	Ton	\$136.00	\$790,000
	2017	705	5.01	3,532	Ton	\$114.10	\$403,000
Wheat, Silage	2018	41,640	18.57	773,255	Ton	\$40.00	\$30,930,000
	2017	40,563	16.86	683,892	Ton	\$30.50	\$20,859,000
Other d/	2018	59,656					\$30,119,000
	2017	43,319					\$19,877,000
Total	2018	660,751					\$475,932,000
	2017	650,756					\$392,836,000

a/ Currently listed as "Other"

b/ 495 lbs. = 1 bale

c/ Previously included in "Other"

d/ Includes alfalfa silage, alfalfa stubble, barley hay, beans (dry), corn (grain), corn (human consumption), hay (other), pasture (irrigated), ryegrass, safflower, sorghum milo, sudan silage, triticale grain, and wheat straw.



Fun Goat Fact

The 1904 World's Fair was the first to host a dairy goat show in America as well as an exhibit featuring 300 Angora goats, the most ever shown at one time. With their heavy coats of curly mohair, the Angoras drew swarms of fans to the Louisiana Purchase Exposition and increased national recognition for the breed, creating a surge of popularity.

Fruit & Nut Crops

Crop	Year	Harvested	Production	Total	Unit	Value	Total
		Acres	Per Acre			Per Unit	
Almonds	2018	29,856	1.07	31,946	Ton	\$4,730.00	\$151,105,000
	2017	27,460	1.11	30,481	Ton	\$4,710.00	\$143,566,000
Almond Hulls	2018			63,892	Ton	\$95.20	\$6,083,000
	2017			60,962	Ton	\$68.30	\$4,164,000
Almond Shells	2018			15,973	Ton	\$8.26	\$132,000
	2017			15,241	Ton	\$4.39	\$67,000
Apricots	2018	767	3.30	2,531	Ton	\$1,750.00	\$4,429,000
	2017	794	7.48	5,939	Ton	\$1,970.00	\$11,700,000
Cherries	2018	1,583	2.29	3,625	Ton	\$6,900.00	\$25,013,000
	2017	1,603	2.96	4,745	Ton	\$5,880.00	\$27,901,000
Grapes, Raisin	2018	1,844	2.70	4,979	Ton	\$1,890.00	\$9,410,000
	2017	1,839	2.57	4,726	Ton	\$1,700.00	\$8,034,000
Grapes, Table	2018	912	11.56	10,543	Ton	\$1,260.00	\$13,284,000
	2017	866	12.45	10,782	Ton	\$1,760.00	\$18,976,000
Grapes, Wine	2018	3,674	15.06	55,330	Ton	\$293.00	\$16,212,000
	2017	3,597	15.66	56,329	Ton	\$287.00	\$16,166,000
Grapes, Total	2018	6,430					\$38,906,000
	2017	6,302					\$43,176,000
Nectarines	2018	1,273	8.46	10,770	Ton	\$1,340.00	\$14,432,000
	2017	1,349	9.46	12,762	Ton	\$1,350.00	\$17,229,000
Peaches, Cling	2018	1,139	12.59	14,340	Ton	\$475.00	\$6,812,000
	2017	636	16.03	10,195	Ton	\$458.00	\$4,669,000
Peaches, Freestone	2018	1,653	10.92	18,051	Ton	\$1,330.00	\$24,008,000
	2017	2,102	10.87	22,849	Ton	\$1,420.00	\$32,446,000
Peaches, Total	2018	2,792					\$30,820,000
	2017	2,738					\$37,115,000

Fruit & Nut Crops

Crop	Year	Harvested		Production		Value	
		Acres	Per Acre	Total	Unit	Per Unit	Total
Pistachios	2018	32,361	2.08	67,311	Ton	\$4,260.00	\$286,745,000
	2017	25,375	1.13	28,674	Ton	\$4,050.00	\$116,130,000
Plums	2018	2,334	7.13	16,641	Ton	\$1,680.00	\$27,957,000
	2017	2,125	8.44	17,935	Ton	\$1,520.00	\$27,261,000
Walnuts	2018	17,352	1.98	34,357	Ton	\$1,450.00	\$49,818,000
	2017	16,655	1.69	28,147	Ton	\$2,320.00	\$65,301,000
Other a/	2018	4,010					\$23,284,000
	2017	4,034					\$19,602,000
TOTAL	2018	98,758					\$658,724,000
	2017	88,435					\$513,212,000

a/ Includes apples, blueberries, firewood, kiwifruit, olives, oranges, pecans, persimmons, pluots, pomegranates, prunes, quince, strawberries, and tangerines.



Fun Goat Fact

According to Roman history, on February 15th, young men would run around wearing only the skins of goats they sacrificed earlier and hit women with strips of goat skin, known as februa, to promote fertility. It is from these purification instruments that the month of February gets its name.

Seed Crops

Crop	Year	Harvested		Unit	Per Unit	Value	
		Acres	Total			Total	Total
Seed Crops a/	2018	13,148		Lbs			\$11,731,000
b/	2017	12,732		Lbs			\$6,622,000

a/ Includes alfalfa (certified & non-certified), asparagus, barley (certified), broccoli, cabbage, cotton (certified & non-certified), lettuce, mustard, onion, triticale (certified), and wheat (certified)

b/ Revised



Vegetable Crops

Crop	Year	Harvested		Production Per Acre	Total	Unit	Value	
		Acres	Total				Per Unit	Total
Tomatoes, Processed	2018	32,350	62.23	2,013,141	Ton	\$73.70	\$148,368,000	
	2017	27,079	57.34	1,552,710	Ton	\$71.10	\$110,398,000	
Other a/	2018	8,157					\$66,746,000	
	2017	8,932					\$69,252,000	
TOTAL	2018	40,507					\$215,114,000	
	2017	36,011					\$179,650,000	

a/ Includes asparagus, bell peppers, broccoli, cantaloupe, carrots, corn (sweet), garlic (fresh), garlic (processed), melons (misc.), onions (fresh), onions (processed), parsley, radicchio, tomatoes (fresh), transplants, and watermelons.

Inventories of Livestock & Poultry

Item	December, 2018 Number of Head	December, 2017 Number of Head
Cattle and Calves		
All	425,000	425,000
Dairy Cows 2 Years and Over	177,640	175,000
Cattle and Calves on Feed	6,800	6,000
Other	240,560	244,000
Sheep and Lambs		
Sheep and Lambs	12,475	12,459
Goats		
Goats	19,133	16,233
Hogs and Pigs		
Hogs and Pigs	608	778
Turkeys		
Turkeys	226,489	452,162

Livestock & Poultry

Item	Year	Number of Head	Total Liveweight	Unit	Value Per Unit	Total
Cattle and Calves	2018	210,531		Head	\$876.00	\$184,425,000
	2017	210,607		Head	\$919.00	\$193,548,000
Turkeys	2018	557,008	16,164,359	Lb.	\$0.92	\$14,871,000
	2017	885,354	25,644,955	Lb.	\$0.80	\$20,516,000
Other a/	2018	16,119,367				\$95,262,000
	2017	9,310,769				\$56,249,000
TOTAL	2018					\$294,558,000
	2017					\$270,313,000

a/ Includes chickens, ducks, goats, hogs, pigs and sheep.

Livestock & Poultry Products

Item	Year	Total Production	Unit	Value Per Unit	Total
Manure a/	2018	842,794	Ton	\$4.30	\$3,624,000
	2017	796,673	Ton	\$4.20	\$3,346,000
Milk, Market	2018	41,502,289	Cwt.	\$16.18	\$671,507,000
	2017	41,163,969	Cwt.	\$16.32	\$671,796,000
Milk, Mfg.	2018	25,212	Cwt.	\$17.22	\$434,000
	2017	22,323	Cwt.	\$18.10	\$404,000
Milk, Goats	2018	115,598	Cwt.	\$40.90	\$4,728,000
	2017	117,168	Cwt.	\$37.80	\$4,429,000
Milk Total	2018	41,643,099	Cwt.		\$676,669,000
	2017	41,303,460	Cwt.		\$676,629,000
Wool	2018	95,030	Lb.	\$2.38	\$226,000
	2017	70,900	Lb.	\$2.40	\$170,000
TOTAL	2018				\$680,519,000
	2017				\$680,145,000

a/ Includes poultry manure



Fun Goat Fact

Mahatma Gandhi consumed goat milk everyday for more than 30 years.

Apiary Products

Item	Year	Total Production	Unit	Value Per Unit	Total
Honey	2018	405,265	Lb.	\$1.99	\$806,000
	2017	336,848	Lb.	\$2.01	\$677,000
Beeswax	2018	8,300	Lb.	\$3.19	\$26,500
	2017	10,348	Lb.	\$2.98	\$30,800
Pollination, Seed Alfalfa	2018	2,862	Colonies	\$60.00	\$171,700
	2017	3,500	Colonies	\$60.00	\$210,000
Pollination, Tree Fruit & Nuts a/	2018	78,711	Colonies	\$174.00	\$13,696,000
	2017	78,210	Colonies	\$184.00	\$14,391,000
Pollination, Melons	2018	524	Colonies	\$37.50	\$19,700
	2017	530	Colonies	\$37.50	\$19,900
Pollination, Vegetable Seed	2018	9,128	Colonies	\$75.00	\$685,000
	2017	5,129	Colonies	\$60.00	\$308,000
TOTAL	2018				\$15,405,000
	2017				\$15,637,000

a/ Includes almonds, cherries, kiwis, pluots, plums, and pomegranates.

Fun Goat Fact

The normal respiration rate for a goat is 12 to 15 breaths per minute, heart rate is between 70-135 beats per minute

Kings County is ranked:

- **10th** among California counties in agricultural production.
- **1st** among California counties in the production of cotton lint and cottonseed.
- **2nd** among California counties in tomatoes (processing).
- **3rd** among California counties in the production of milk and cream, nectarines, wheat and apricots.
- **4th** among California counties in the production of cherries, and turkeys.
- **5th** among California counties in the production of silage, pistachios and peaches.



Information is based on 2017 County Agricultural Commissioners' Crop Reports

5 Year Comparison of Acreage and Crop Values

	2018	2017	2016	2015	2014
Apiary Products	\$15,405,000	\$15,637,000	\$10,457,000	\$9,376,000	\$8,483,000
Field Crops Acreage	\$475,932,000 660,751	\$392,836,000 652,933	\$367,600,000 622,290	\$387,531,000 628,287	\$486,219,000 \$592,831
Fruit & Nut Crops Acreage	\$658,724,000 98,758	\$513,212,000 88,435	\$525,113,000 78,646	\$513,301,000 76,893	\$569,018,000 76,783
Livestock and Poultry	\$294,558,000	\$270,313,000	*\$309,001,000	\$255,110,000	\$207,013,000
Livestock and Poultry Products	\$680,519,000	\$680,145,000	\$640,259,000	\$655,555,000	\$973,040,000
Seed Crops Acreage	\$11,731,000 13,148	*\$6,622,000 12,732	\$8,739,000 6,039	\$4,315,000 4,790	\$8,680,000 4,539
Vegetable Crops Acreage	\$215,114,000 40,507	\$179,650,000 36,011	\$175,833,000 39,480	\$195,864,000 40,557	\$219,293,000
TOTAL	\$2,351,983,000	*\$2,058,415,000	*\$2,037,002,000	\$2,021,052,000	\$2,471,746,000

*Revised

AGRICULTURAL EFFICIENCY...

Production Per Acre Comparison for Miscellaneous Crops
2018 & 1968

Crop	2018 Production/Acre	Unit	1968 Production/Acre	Unit
Cotton	3.92	Bales	2.50	Bales
Oats	3.18	Tons	1.17	Tons
Tomatoes	62.28	Tons	20.90	Tons

Top 10 Commodities

Crop	2018 Rank	Dollar Value	2017 Rank	2016 Rank	1968 Rank
Milk, Total	1	\$676,669,000	1	1	3
Pistachio	2	\$286,745,000	5	4	N/A
Cotton, All	3	\$272,715,000	2	2	1
Cattle & Calves	4	\$184,425,000	3	3	2
Almonds	5	\$157,320,000	4	5	N/A
Tomatoes, Processed	6	\$148,368,000	6	6	N/A
Corn, Silage	7	\$61,979,000	8	8	10
Walnuts	8	\$49,818,000	7	7	15
Alfalfa, Hay	9	\$46,232,000	12	N/A	5
Grapes. Total	10	\$38,906,000	9	9	N/A

A Look Back, 50 Years Ago.....1968 Kings County's Top 10 Commodities

Crop	Rank	Dollar
Cotton	1	\$35,487,000
Cattle & Calves	2	\$19,353,000
Milk	3	\$18,970,000
Barley	4	\$12,763,000
Alfalfa, Hay	5	\$10,175,100
Safflower	6	\$3,993,000
Peaches	7	\$3,045,000
Alfalfa, Seed	8	\$2,850,000
Cantaloupe	9	\$2,673,000
Corn	10	\$2,501,000
Total		\$111,810,100

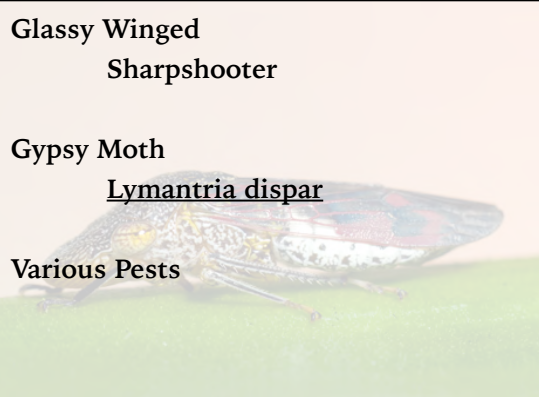
Fun Goat Fact
Both male and female goats can have beards

Sustainable Agriculture Report

County Biological Control

Pest	Agent/Mechanism	Scope of Program
Puncture Vine <u>Tribulus terrestris</u>	Stem Mining Weevil <u>Microlarinus lypriformis</u>	Generally Distributed
	Seed Head Weevil <u>Microlarinus lareynil</u>	Generally Distributed
Yellow Starthistle <u>Centaurea solstitialis</u>	Seed Head Weevil <u>Bangastemus orientalis</u>	Generally Distributed
	Gall Fly <u>Urophora sirunaseva</u>	Generally Distributed
	Hairy Weevil <u>Eustenopus villosus</u>	Generally Distributed
Ash Whitefly <u>Siphoninus phillyreae</u>	Parasitic Wasp <u>Encarsia partenopea</u>	Generally Distributed
Red Gum Lerp Psyllid <u>Glycaspis brimblecombei</u>	Parasitic Wasp <u>Psyllaephagus bliteus</u>	Generally Distributed
Silverleaf Whitefly <u>Bemisia argentifolii</u>	Parasitic Wasp <u>Eretmocerus sp. (M95104)</u> <u>Eretmocerus sp. (M95012)</u>	Generally Distributed Generally Distributed

County Pest Exclusion

Pest	Agent/Mechanism	Scope of Program
Glassy Winged Sharpshooter 	Nursery/Citrus Inspections	700 Shipments Inspected
Gypsy Moth <u>Lymantria dispar</u>	Household Goods Shipments	7 Shipments Inspected
Various Pests	Truck Shipments	11,394 Units Inspected

Crops

Crops	Activity	Scope of Program
Export Commodities	Phytosanitary Certification	1,487 Issued
Export Seed	Field Inspections	25 Sites / 2,657 Acres

Sustainable Agriculture Report

County Pest Eradication

Pest	Agent/Mechanism	Scope of Program
Pink Bollworm <u>Pectinophora gossypiella</u>	Mechanical/Host Free Period	90,365 Acres
Alligatorweed <u>Alternanthera philoxeroides</u>	Visual Inspection Mechanical/Chemical	35 Sites Treated

Pest	Number of Traps	Number of Servicings	Type of Trap
All Purpose Fruit Fly	117	1,291	Champ
Asian Citrus Psyllid	283	3,887	Yellow Panel
European Corn Borer	13	186	Pherocon II
European Grape Vine Moth	586	7,652	Delta
European Pine Shoot Moth	11	35	Pherocon II
Glassy Wing Sharpshooter	197	983	Yellow Panel
Gypsy Moth	82	655	Delta
Japanese Beetle	82	655	Japanese Beetle
Light Brown Apple Moth	152	2,199	Jackson
Mediterranean Fruit Fly	152	2,199	Jackson
Melon Fly	77	886	Jackson
Mexican Fruit Fly	100	2,566	McPhail
Oriental Fruit Fly	152	2,199	Jackson
TOTAL	2,004	25,393	



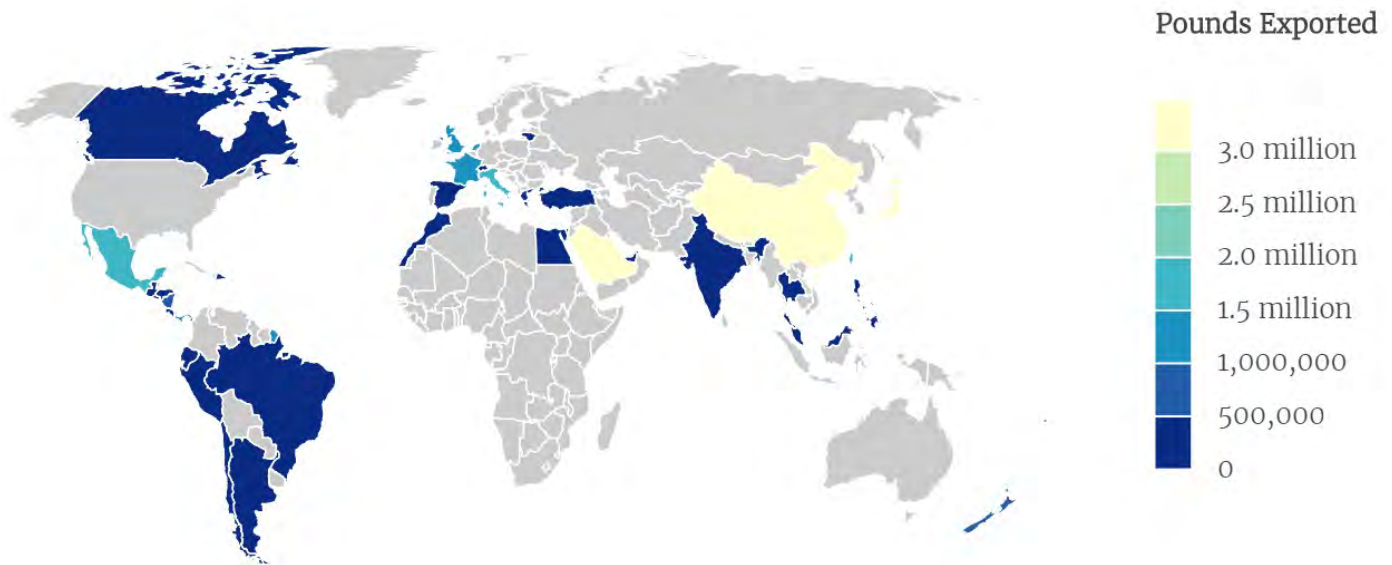
Export Commodities

Commodities Grown and Exported From Kings County

Alfalfa Seed
Almonds
Apricots
Asparagus Seed
Blueberries
Cherries

Cotton
Cotton Seed
Grapes
Kiwifruit
Nectarines
Onions

Pistachios
Plums
Pluots
Pomegranates
Sudan Grass Seed
Tangerines



Fun Goat Fact

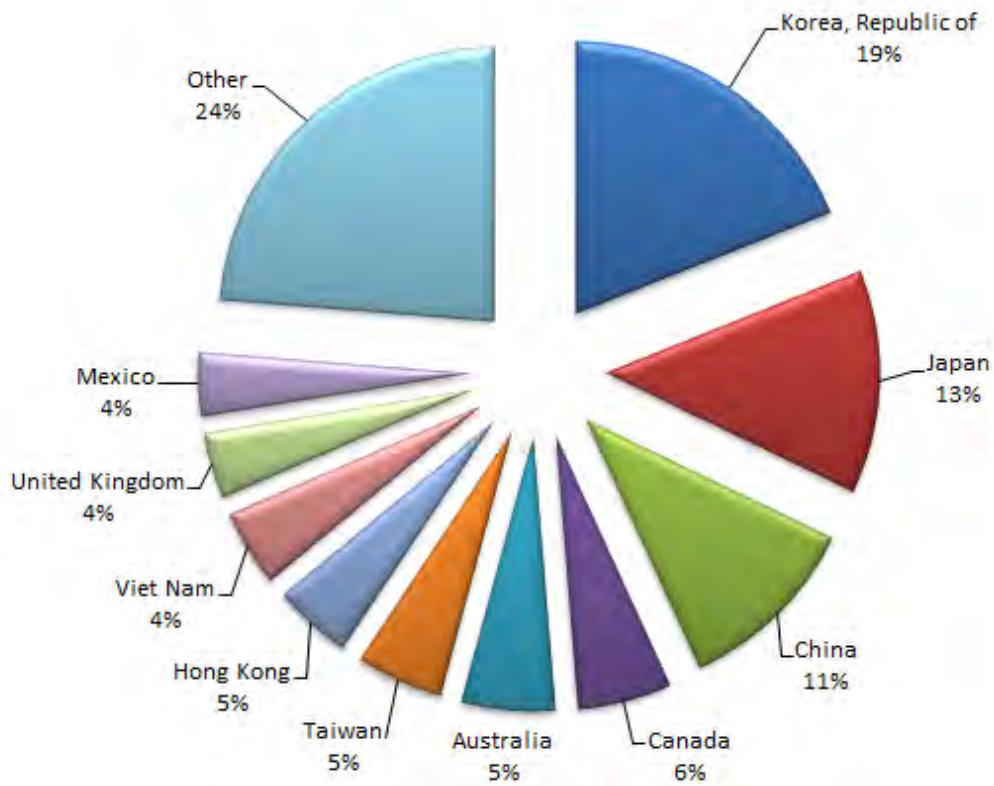
Goats were regularly imported into the Americas in the early 1900's

Export Trade Partners of Kings County in 2018

Argentina	Fiji	Korea, Republic of	Philippines
Australia	France	Lithuania	Saudi Arabia
Brazil	Greece	Luxembourg	Spain
Canada	Guatemala	Malaysia	Switzerland
Chile	Honduras	Mexico	Taiwan
China	Hong Kong	Morocco	Thailand
Costa Rica	India	Netherlands	Turkey
Dominican Republic	Israel	New Zealand	United Arab Emirates
Ecuador	Italy	Nicaragua	United Kingdom
Egypt	Japan	Panama	Viet Nam
El Salvador	Kazakhstan	Peru	

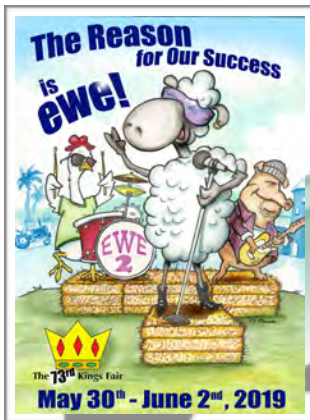
Export Partners

Percentage of Total Export Certificates Issued 2018



Fun Goat Fact
Goats were first brought to America by Columbus in 1493

Fairs And Expositions



Kings Fair
801 S. 10th Ave Hfd
KingsFair.com
559.584-3318

Organic Production

In an ever growing industry, Kings County's Organic acreage is on the rise with no signs of slowing. In 2018 with close to 30,000 acres registered, there is no shortage of organic commodities being grown locally. There were 33 certified organic producers in Kings County, 4 being new registrants.

The National Organic Program isn't just about adding a label to a package; it is a badge that verifies the key standards of the program are being met. Standards include:

- Maintaining soil quality in crop and livestock production
- Keeping animals drug free in the absence of illness.
- Land used for organic production must undergo a three year transition phase where no prohibited substances are applied before certification. The use of genetically modified crops in production or animal feed is prohibited.
- Ability to traceback all materials and field operations.
- Organically labelled processed food may only include approved aids and additives.
- An organic system plan must be submitted to the certifier annually for review and approval, as well as annual inspections.



Did You Know?



Photo by Brody Vickers Lemoore 4.11

Goats are bovids and are closely related to cows and antelopes

Natural life expectancy for a goat is 8-12 years and up to 15 years in some cases

Goats do not like to get wet and will seek shelter during the rain

Wattles are those little tufts that dangle from the throat of some goats. They serve no function and theorized to be remnants of gill slits that mammals shared back along the evolutionary timeline

Depictions of goats have been found on cave walls in Europe as far back as 12,000 years ago

Dairy goats have very little subcutaneous (under the skin) fat

Abraham Lincoln's sons had two goats that lived in the White House with them.

Each goat kid has a unique call, and along with its scent, that is how its mother recognizes it from birth – not by sight.

Goats can be taught their name and to come when called

Certified Producers

In 2018 Kings County had 21 certified producers growing a wide range of commodities as listed below. Certified Farmers Markets provide small growers the opportunity to sell products they have grown directly to consumers. In turn, consumers have the benefit of fresh, seasonal produce along with the chance to not only meet their growers, but gather as a community as well.



- | | | | | | |
|-----------------|---------------|----------------|------------|--------------|--------------|
| Almonds | Cabbage | Cucumbers | Kale | Peaches | Prunes |
| Apples | Camellias | Eggplant | Kiwi | Peanuts | Pumpkin |
| Apricot | Cantaloupe | Eggs | Lemon | Pear Apples | Quince |
| Apriums | Carrots | Figs | Lettuce | Pears | Radishes |
| Arugula | Cauliflower | Garlic | Lillies | Pecans | Raspberries |
| Asparagus | Cherry | Gingko | Limes | Persimmons | Roses |
| Avocados | Cherry Plums | Grapefruit | Mandarins | Pistachios | Spinach |
| Barley | Chestnuts | Grapes | Nectarines | Pluots | Squash |
| Beans, Various | Chili Peppers | Herbs, Various | Olives | Plums | Strawberries |
| Beets | Clementine | Honey | Onions | Pomegranates | Sweet Corn |
| Bell Peppers | Corn Nuts | Jujube | Oranges | Pomelo | Tangelos |
| Blackberries | | | | | Tayberries |
| Blueberries | | | | | Tomato |
| Broccoli | | | | | Walnuts |
| Brussel Sprouts | | | | | Watermelon |

Thursday Night Market Place
Downtown Hanford
Every Thursday
May - October
5:30 pm-9:00 pm

Land Use

Surrounding Counties	2017 Rank	2017 Gross Value*	Total County Area Acres	Value Per Acre	Top Commodity	2017 Gross Value*
Kern	1	\$7,254,004,000	3,112,320	\$2,331	Table Grapes	\$1,549,210
Tulare	2	\$7,039,709,000	3,840,000	\$1,833	Milk	\$1,772,560
Fresno	3	\$7,024,915,000	5,166,720	\$1,360	Almonds, All	\$1,167,708
Monterey	4	\$4,425,425,000	2,217,359	\$1,996	Strawberries	\$677,600
Kings	10	**\$2,058,415,000	890,785	**\$2,311	Milk	\$671,796

* Gross Value does not include timber. Values based on annual crop reports.

**Revised

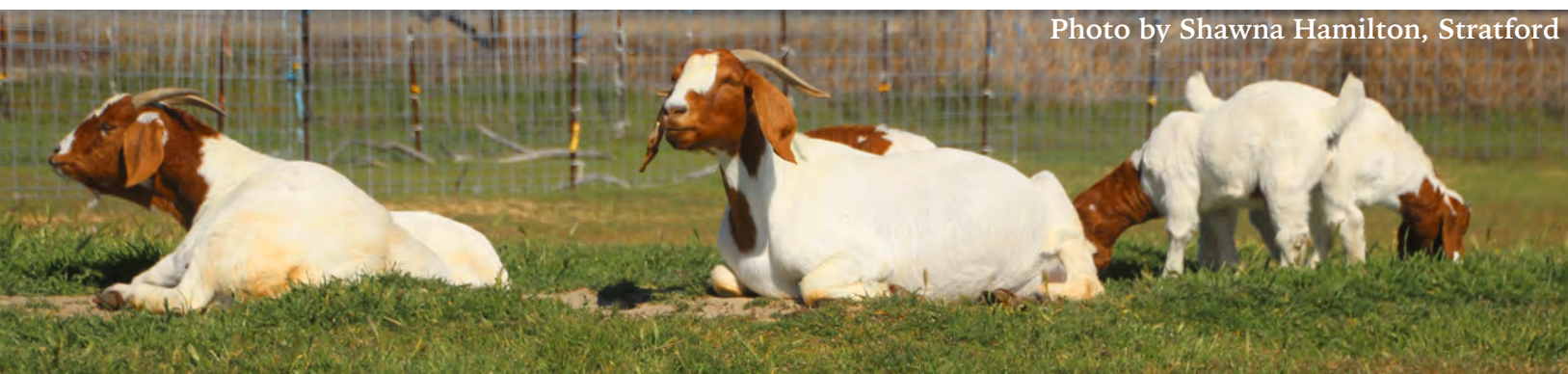


Photo by Shawna Hamilton, Stratford

Land Use Summary

Land Use Category	2016		2014		Acreage Change
	Acres	Percent	Acres	Percent	
Prime Farmland	110,915	12	112,254	13	-1,339
Farmland of Statewide Importance	339,020	38	365,024	41	-26,004
Unique Farmland	18,920	2	19,221	2	-301
Farmland of Local Importance	10,984	1	11,034	1	-50
Grazing Land	338,243	38	313,863	35	24,380
Urban and Built-Up Land	40,075	4	37,196	4	2,879
Other Land	32,579	4	32,144	4	435
Water Area	62	0	62	0	0
Total Acres	890,798		890,798		

Weight & Measurement Standards



We, in partnership with the California Department of Food and Agriculture, serve the people of California by preserving and defending the measurement standards essential in providing the citizens a basis of value comparison and fair competition in the marketplace.

In Kings County, weights and measures inspectors work to preserve equity in the marketplace. Using specialized and accurate equipment, they perform a multitude of inspections of commercial devices and commodities that touch the lives of people everyday.

Fun Goat Fact

Pharaoh Cephranes thought goats were so valuable he was buried with 2,234 of them.

In 2018, the Kings County Department of Measurement Standards:

- Verified 131 devices for Service Agencies
- Inspected 2,328 devices including:
 - 278 Counter Scales
 - 28 Livestock & Animal Scales
 - 103 Vehicle Scales
 - 1,279 Retail Motor Fuel Meters (gas pumps), as well as checking for petroleum advertising and labeling compliance
- Verified scanned prices of 1416 packages and made 60 test purchases in Quantity Control
- Performed 9 weighmaster audits





The only agriculture advocacy organization in the county, Kings County Farm Bureau (KCFB) is a non-profit membership organization dedicated to protecting every farmer's right to farm and preserve their heritage. Established in 1918, KCFB has been committed to the success of agriculture in Kings County for over 100 years.

The organization's success is dependent on the support of its more than 500 dedicated members and their commitment to improving the political and regulatory landscape for themselves and the growers of the future. A grassroots organization, KCFB strives to influence elected leaders at the county, state and federal levels to ensure the voice of agriculture is heard when decisions are being made that will affect its members. In addition to providing training and educational resources to its members, KCFB is a trusted source for issues, awareness and guidance.

Core to KCFB's beliefs is that its work cannot be focused solely on those currently farming and working in the agricultural sector. Recognizing the degrees of separation between the average American and the farm, KCFB created two educational programs that are considered paramount to the future success of agriculture in the county. Created first is a scholarship program for graduating high school seniors headed to college to study for a career in agriculture. Students from any school in the county are eligible and encouraged to apply. Kings County Farm Day is one of KCFB's largest programs, and is designed for third-grade students in the county to experience hands-on agriculture learning. The program, which started over 13 years ago, is intended to expose young students to agriculture and instill a knowledge of how agriculture touches everyone's life every day. The program grows year after year, and in 2018, hosted 2,400 students from around the county.

Kings County Farm Bureau is dedicated to protecting, preserving and enhancing agriculture in Kings County. To be a part of the effort, stop by or call the office, or reach out to one of the members of the board of directors and ask how you can help.

Youth in Agriculture

Again we asked local young people for photo submissions and they did not disappoint. Look for the fresh perspective and great grasp our youth have on agriculture not only here but throughout the crop report.



Paige Clark, Island 4-H



Abigel Dooley, Kings Harvest 4-H



Abigel Dooley, Kings Harvest 4-H



Paige Clark, Island 4-H



Paige Clark, Island 4-H



Emily Ortiz, Hanford



Nicolina Deftereos, Mid- Valley 4-H

Kings County General Information

County Seat	Hanford
County Population (1/1/2017)	151,662*
Population per Square Mile	109
Total Assessed Value (2016)	\$9,869,806,001
Land Area (Square Miles)	1,392
Total Acres	890,798**
Total Harvested Crop Acreage (2016)	746,455
Total Farmland	818,082**
Public Ownership of Land (Acres - 2008)	
Federal	27,313.76
State	4,015.99
County	1,421.61
Local Agencies	3,587.01

Agricultural production ranked 8th among California counties (based on 2014 total value).

Railroads - Burlington Northern Santa Fe, Union Pacific & San Joaquin Railroad.

Major Roads - Interstate 5, Highway 41, Highway 43, Highway 33 & Highway 198.

Water Sources - Kings River, Tule River, Kaweah River, Kern River, & California Aqueduct.

Elevation - 175 feet above sea level at Tulare Lake to 3473 feet above sea level at the Kings/Monterey County line boundary.

Average length of growing season: 288 days.***

Average climate: 196 sunny clear days, 74 partly cloudy days & 95 cloudy days.

Average date of last spring frost: February 14.***

Average date of first fall frost: November 23.***

*Courtesy of the California Department of Finance (Estimate)

**Courtesy of the California Department of Conservation

***Courtesy of The Old Farmer's Almanac

Rainfall- Hanford, CA

YEAR	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
1968-69	0.00	0.00	0.00	1.33	0.98	1.64	6.69	4.54	0.79	0.85	0.32	0.00	17.14
1969-70	0.07	0.00	0.15	0.05	0.51	0.70	1.60	1.33	1.42	0.14	0.00	0.21	6.18
1970-71	0.00	0.00	0.00	0.00	2.40	1.23	0.35	0.19	0.23	0.40	1.44	0.00	6.24
1971-72	0.00	0.00	0.04	0.06	0.41	1.87	0.04	0.35	0.00	0.23	0.00	0.00	3.00
1972-73	0.00	0.00	0.24	0.21	2.90	0.65	2.44	2.29	2.20	0.12	0.00	0.00	11.05
1973-74	0.00	0.00	0.00	0.76	0.46	0.94	2.97	0.13	1.75	0.03	0.00	0.00	7.04
1974-75	0.00	0.00	0.00	0.64	0.24	1.40	0.09	2.26	1.24	0.49	0.00	0.00	6.37
1975-76	0.00	0.00	0.98	0.76	0.05	0.22	0.00	2.94	0.19	1.47	0.03	0.00	6.64
1976-77	0.00	0.22	1.47	0.00	1.15	0.96	0.96	0.03	0.43	0.00	0.01	0.01	5.24
1977-78	0.00	0.00	0.00	0.05	0.06	2.85	2.22	5.05	4.12	1.71	0.00	0.07	16.13
1978-79	0.00	0.00	1.10	0.00	0.79	0.50	1.84	1.61	1.16	0.03	0.00	0.00	7.03
1979-80	0.04	0.00	0.08	0.41	0.62	0.41	2.90	2.71	1.28	0.05	0.04	0.00	8.54
1980-81	0.00	0.00	0.00	0.09	0.00	0.21	1.80	0.86	2.10	0.68	0.17	0.00	5.91
1981-82	0.00	0.00	0.00	0.76	1.08	0.29	0.84	0.33	3.52	1.75	0.00	0.00	8.57
1982-83	0.18	0.00	0.64	1.03	2.15	0.71	3.74	2.59	3.39	1.63	0.04	0.45	16.55
1983-84	0.00	0.05	0.82	0.43	1.66	1.22	0.01	0.42	0.27	0.18	0.00	0.00	5.06
1984-85	0.00	0.00	0.01	0.52	1.41	1.66	0.59	0.61	0.68	0.12	0.01	0.00	5.61
1985-86	0.05	0.00	0.00	0.54	2.11	0.56	1.46	2.60	3.40	0.45	0.00	0.00	11.17
1986-87	0.00	0.00	0.15	0.00	0.21	0.77	1.77	2.04	2.02	0.06	0.13	0.00	7.15
1987-88	0.00	0.00	0.00	0.86	0.72	1.74	1.37	0.40	0.93	2.65	0.07	0.05	8.79
1988-89	0.00	0.00	0.00	0.00	1.33	2.29	1.02	2.03	0.85	0.02	0.39	0.06	7.99
1989-90	0.00	0.00	0.67	0.32	0.20	0.53	1.79	1.02	0.30	0.97	0.87	0.00	6.67
1990-91	0.00	0.66	0.00	0.01	0.22	0.09	0.37	1.32	6.67	0.19	0.66	0.00	10.19
1991-92	0.00	0.00	0.11	0.38	0.14	1.32	1.40	3.32	0.85	0.10	0.00	0.36	7.98
1992-93	0.01	0.00	0.00	0.58	0.00	2.62	3.88	2.48	2.16	0.07	0.08	0.00	11.88
1993-94	0.00	0.00	0.24	0.24	0.68	0.66	1.45	1.02	0.70	0.69	0.00	0.26	5.94
1994-95	0.00	0.00	1.06	0.35	1.54	0.33	4.70	0.51	4.77	0.65	0.87	0.00	14.78
1995-96	0.00	0.00	0.00	0.00	0.00	1.59	1.79	2.55	2.15	0.89	0.16	0.00	9.13
1996-97	0.00	0.00	0.00	1.65	0.87	3.03	3.02	0.12	0.21	0.00	0.00	0.04	8.94
1997-98	0.00	0.00	0.06	0.09	1.96	1.80	2.00	4.05	2.60	1.68	1.31	0.00	15.55
1998-99	0.00	0.00	0.00	0.68	0.63	0.64	3.01	0.56	0.43	1.37	0.00	0.44	7.76
1999-00	0.00	0.00	0.00	0.15	0.00	0.00	1.08	3.28	1.59	0.97	0.48	0.00	7.55
2000-01	0.00	0.00	0.03	1.31	0.00	0.03	1.98	1.48	1.24	1.12	0.00	0.35	7.54
2001-02	0.09	0.00	0.00	0.18	1.84	1.99	0.87	0.31	1.04	0.03	0.01	0.00	6.36
2002-03	0.00	0.00	0.00	0.00	1.42	1.14	0.25	1.13	1.05	1.67	0.67	0.82	8.15
2003-04	0.00	0.00	0.00	0.07	0.47	2.05	0.97	2.32	0.25	0.01	0.02	0.00	6.16
2004-05	0.00	0.00	0.00	2.09	0.44	2.13	2.55	1.69	2.02	0.70	0.84	0.00	12.46
2005-06	0.00	0.00	0.02	0.01	0.21	1.15	3.07	0.48	2.60	2.98	0.54	0.00	11.06
2006-07	0.00	0.00	0.00	0.09	0.16	0.90	0.61	0.90	0.22	0.27	0.01	0.00	3.16
2007-08	0.00	0.05	0.32	0.30	0.10	1.17	1.86	1.10	0.00	0.00	0.10	0.00	5.00
2008-09	0.00	0.00	0.00	0.14	1.03	1.36	0.60	1.43	0.21	0.03	0.43	0.37	5.60
2009-10	0.00	0.00	0.20	1.31	0.23	1.27	2.30	1.93	0.31	1.63	0.32	0.00	9.50
2010-11	0.00	0.00	0.00	0.76	1.24	5.29	0.88	0.96	2.70	0.32	0.41	0.91	13.47
2011-12	0.04	0.00	0.00	0.48	0.71	0.01	0.61	0.43	1.72	1.79	0.03	0.00	5.82
2012-13	0.00	0.00	0.00	0.14	0.34	1.52	0.25	0.42	0.67	0.08	0.18	0.00	3.60
2013-14	0.00	0.00	0.01	0.00	0.33	0.16	0.30	1.38	0.27	0.35	0.01	0.00	2.81
2014-15	0.00	0.00	0.03	0.00	0.94	2.52	0.08	0.72	0.02	0.77	0.10	0.00	5.18
2015-16	0.45	0.00	0.00	0.38	0.91	1.40	3.09	0.05	1.99	0.57	0.02	0.09	8.95
2016-17	0.00	0.00	0.00	0.76	0.40	1.60	3.70	2.80	0.31	1.02	0.36	0.01	10.96
2017-18	0.00	0.01	0.17	0.06	0.21	0.08	1.37	0.30	2.33	0.29	0.00	0.00	4.82
2018-19	0.00	0.00	0.00	0.04	1.41	0.42							1.87
AVERAGE	0.02	0.02	0.17	0.41	0.78	1.21	1.66	1.48	1.42	0.67	0.22	0.09	8.16