

WELCOME TO DANG DISTRICT-DANDAKARANYA "THE BAMBOO FOREST"



- → Located in the lush green forests of saputara hills, it is situated between the parallels of latitude 20°33′ and 21°5′ and the meridians of longitude 73° 27′ and 73° 57′.
- → The length from N⇒S is about 59 kms. (36.7 miles) and from E⇒W about 50 kms. (30 miles)
- → Bounded in the north and west of by Surat and Navsari districts of Gujarat whereas to its east and south are Dhule and Nasik districts of Maharastra.
- → The total area of the district is 1,764 Sq Km.
- → It has range of elevation of 105 to 1317 meters above MSL.
- → The district comes under South Gujarat Heavy Rainfall Zone—I Agro Ecological Situation-I
- There are three types of agricultural land in the Dangs viz; black cotton, lateritic and rocky.
- → The annual precipitation is 2000-2500 mm with average rainy days of 50-55.
- → There are four rivers passing through the Dangs: Ambica, Khapri, Purna and Gira

Dang: Land of Ethnicity

HISTORY:

Dangs was known as "Dankaranya or Dandak" during the period of Ramayana. Pandavas are also believed to have roamed and stayed in the Dangs. The kings of Maurya dynasty, King San Praas, King Satya Vahan, and the kings of Kahatra and Abhir dynasties have ruled this district. Its neighbours, the kings of Chanakya dynasty have also ruled it. It is here that Shivaji established its military base, now known as "Lashkari Amba", when he attacked Surat in 1664 AD. Later, it was controlled by small principalities of Bhil Rajas (chiefs) and Bhil Naiks (small chiefs). After acquisition of Khandesh, a neighboring area in 1842, the British acquired the Dang forest on lease from the chiefs with the help of the Marathas through dubious ways. The British convinced the rulers of Dangs to give them the protection in the forests in return for a good administration in their state. After the renewal of the leases in 1862, the chiefs lost most of the powers. The British considered the Dangs as a foreign territory under administration as per the Indian Foreign Jurisdiction Act and the kings are thus provided with pension from state till date.

LOCATION: Waghai is located on the National Highway about 32 km north from the district headquarters of <u>Ahwa</u>, and about 52 km south of the <u>hill</u> station of <u>Saputara</u>. 71 kms from Navsari and 120 kms from Surat. It is linked by state highway to the town of <u>Chikhli</u> (where the road meets National highway 8), and by a <u>narrow gauge</u> to the town of <u>Bilimora</u>. and well connected by road highways to Navsari ,Surat, Valsad ,Saputara and Nasik.

CLIMATE: Home to a serene pleasant atmosphere with the average temperature in Waghai being 31.6 °C, May is the warmest & January is the coldest. The average rainfall is 2081 mm. The summers here have a good deal of rainfall, while the winters have very little. Monsoon turns this gifted land into nature lover's heaven & traveller's dream destination.

Dang is known for:

NATURE'S ABUNDANCE:

- Nature's gift to Gujarat with unmatched forest wealth.
- Rich in timber (teak of high quality.)
- ♦ Home for commonly noticed birds like Wood Pecker, Hornbill, Indian Sparrow, Drongo, Egret, Kite, Owl & Eagle



HERBAL HEALERS: Dang is blessed

- **♦ SOHANG:** "Dang means dance."
- "SOHANG" A Combination of dance, folk dance and folk drama or makes their lives a revelry
- For Dangis, dance is not just an activity but a social and spiritual experience.
- This love is seen in various dance forms; Pavri, thakorda, bhoya, bohda and maandal. Tamasha a folk dance form is hugely popular.





DANG DARBAR:

- A spectacular and rare witness to the riot of colours, tradition and heritage of Dang
- ♦ An annual three-long celebration of local folk culture, with hypnotic and energetic dances symbolic of various birds or animals and lots of songs and dramas accompanied by flutes, drums and other musical instruments.
- Organized every year by the district administration, a week prior to Holi festival at Ahwa with the Rally of the Kings and Naiks of Dang.

NATURE WORSHIPPERS:

- The native tribals of dang have different way of life which celebrates and respects nature.
- Mother Nature is goddess and people worship stones, the sun and moon.
- They believe in *Waghdeo* (tiger god) and *Nagdeo* (snake god): sacred animal God and their emblem of worship



ART: Warli

- The philosophy of a way of life, especially those of tribal societies, folk imagination, beliefs and customs are spontaneously expressed in these monochromantic tribal paintings
- Apopular and loved craft of tribal artisans at the boarder of Gujarat, popular across India.



Nagli, a hill millet, Carich & mushrooms

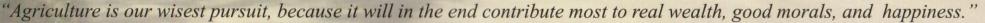
Firefly Festival: where a thousand lighting bugs hug you and teach you to dance. There are about 2,000 firefly species known to exist in Dang.



Festival of " Tera" celebrated with much fanfare







THE WAGHAI CAMPUS

FULFILLING THE THREE MANDATES FOR AGRICULTURAL SCIENCES

Amidst this culturally, historically and naturally rich location is situated the college of agriculture, under the aegis of AIM: Navsari Agricultural University catering to the three mandates of agriculture: Teaching, Research and Extension.



RESEARCH Hill Millet Research Station Est: 1954-55



EXTENSION Krishi Vigyan Kendra Est: 1984



EDUCATION College of Agriculture.-Est: 2012 Agricultural Polytechnic -Est: 2014

2. To Undertake research work in Agricultural Sciences.

Technology.

1. To impart higher education at undergraduate level in AgriculturalScience and

3. To reach out to students and farmers through extension activities aimed at generating awareness and to transfer agricultural technologies.

MISSION:

To train the youth and instill in them the zeal. vision and dedication to stimulate human welfare and agricultural development of Gujarat and India.

VISION:

A top class institution of learning dedicated to excellence in Agricultural sciences, Industrial technology and Allied fields, Research and development, Extension and training for global competitiveness and cooperation.

Genesis: Agriculture is and will remain the source of food supply in the world. Without the basic strength and quality of the branches of agricultural sciences which includes production, research, extension, vocational skill and administrative abilities, real economic advancement of the nation is impossible. Thus to spearhead this force of development, the Dangs was chosen as a centre for agricultural education as the districts main occupation is agriculture.

: The state Government (Mumbai state) established a research farm at Waghai in the Dangs district. 1955

: The farm, initially under the control of State Agriculture Department, was transferred to erstwhile Gujarat 1972 Agricultural University.

: Krishi Vigyan Kendra-Waghai was established. 1984

1985-86: Agricultural schooling started in Dangs.

: Research farm transferred to the Navsari Agricultural University. 2004

2010-11: School upgraded to Polytechnic in Agriculture Cooperation, Banking and Marketing.

2014-15: Polytechnic in Agriculture started

2012-13: Government of Gujarat under Tribal Sub-Plan established full-fledged College of Agriculture at Waghai as a constituent college of Navsari Agricultural University to carry on B.Sc. (Hons.) Agriculture degree programme.

"The ultimate goal of farming is not the growing of crops, but the cultivation and perfection of human beings."

SINCE THEN.... The College offers

COURSES	B.SC (Hons .) Agricultur	Polytechnic in Agriculture	
Duration of the Course	4 years (8 Semesters)	3 years (6 Semesters)	
Eligibility	12 th Science (Higher Secondary Certificate School `in either PCB/ PCBM from Gujarat Board or equivalent Board as recognized for this purpose)		10 th
Academic Disciplines :			
1. Genetics & Plant Breeding	Agricultural Extension	n	
2. Agronomy	8. Plant Pathology & Mic	12. Agricultural Statistics	
3. Entomology	9. Physical Education		13. Agricultural Economics
4. Horticulture	10. Agricultural Engineering		14. Computer Science
5. Plant Physiology	11. Mathematics		15. English
6. Soil Science & Agricultural Chemistry		16. Livestock production & Management	

How to secure admission:

Admission is through an online admission portal of **gsauca.in** on the basis of merit

FACILITIES

Academic

Class Room:

The College has well-furnished and ventilated classrooms with modern teaching aids to facilitate teaching and learning process in a conducive manner – an excellent support for discussions and presentations.

- 1. LCD Projector
- 2. Black Board
- 3. Coloured Board
- 4. CCTV

All the classrooms and laboratories are connected with 24×7 hrs. generator facility.



LIBRARY:

- A total 1813 numbers of books of indian and foreign authors for regular studies and preparation of competitive examinations
- 09 journals of national and international repute are available in the library.

.....and we're still counting



Whenever you read a good book, somewhere in the world a door opens to allow in more light.

LABORATORIES

Well Furnished laboratories of all the disciplines well equipped with state of art instruments so as to provide hands on experience of the subject

- * Digital VernierCaliper
- * Digital Penetrometer
- *Digital Refractometer.



Entomology

★Digital Water Level Recorder

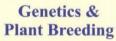
★ Velocity Meter

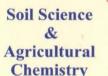
★2 Strokes and 4 Strokes Models of Petrol and

Agronomy (Crop Cafetaria)



Horticulture





- ★ Flame Photometer
- * Spectrophotometer
- * Centrifuge
- ★ EC Meter
- ★ pH meter

- *Secateurs
- Knife
- **★**Double Distilled Water Unit
- *Magnetic Stirrer
- *Hot Air Oven
- **★Deep Freezer**
- *Mixer/Grinder
- **★BOD Incubators**

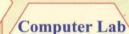
- *PCR, Electrophoresis Unit (Horizontal
- and Vertical) **★**Binocular Microscope with Camera,
- **★**Electronic Balance
- **★**Hot Water Bath
- *Microscope
- *Spectophotometer
- **★**Centrifuge
- *Gel doc

- Centrifuge, **★BOD** Incubator Shaker
 - **★**Hot Air Oven

*Laminar Air Flow,

- *Autoclave (Vertical)
- **★**Hot Water Bath
- **★**Distillation Unit
- *Spectrophotometer
- **★**Electronic Balance
- **★**Magnetic Stirrer
- *Microscopes
- *Refrigerator

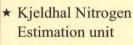
- Diesel Engine.
- **★Live Models of** Sprinkler and **Drip Irrigation** System
- **★**Solar Cooker, Working Model of Wind Mill
- *Solar Light.
- **★**Surveying and Leveling Instruments
- *Magnetic Stirrer, Microscope,



Thirty computers are available only for students' use.



Chemistry



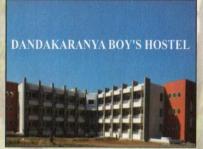
- **★**Magnetic
- **★**Electronic Balance
- **★Budding** -Grafting
- **★**Mango Harvester
- *Pulper
- **★**Lawn Mower

- * Binocular Pathological
- Microscope, * Trinocular Microscope
- **★** Insect Showcase Cabinet
- ★ Corcyra Cage
- **★** Dissecting Microscope
- ★ Insect Light Trap
- * Sprayers

Agricultural Engineering

Advances in medicine and agriculture have saved vastly more lives than have been lost in all the wars in history.

The list of instruments is reperesentative





Hostel Mess: Provides hygienic and nutritious food to students and staff

- Food is prepared in modern steam-line automatic cooking system
- Excellent hygienic condition is maintained daily in mess surroundings.
- Food quality is checked at regular interval by the hostel rectors

Community Health Center and Clinic just a Km from campus

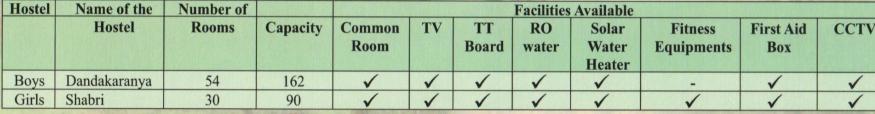
Striving to be a home away from home

	•	•
4	-	

- monitored through

facility.

CCTV





HOSTEL

Auditorium/Seminar hall

Capacity: 450

Excellent and comfortable airconditioned facility equipped with LCD Projector for conferences , discussions, presentations, celebrations and events.

A GUEST HOUSE to accommodate delegates, participants and students visiting the campus. It would soon be upgraded.



Comfortable residential facility for the staff members giving a homely atmosphere to the students



College Bus for in and out movement from the campus.



"To most people, this is just dirt. To a farmer, it is potential."











Basket Ball Court Volley Ball Court Cricket Ground Kabbaddi & Kho-Kho Ground Centralized GYM

JRF COACHING

Preparing students for Competitive exams

NSS

PLACEMENT CELL

Seeking to provide a platform for meeting of academia with industry.

NCC...

Coming soon

SPORTS AND RECREATION

NO student would remain a "dull boy" as excellent recreation and sports facilities are provided for all round development. A Gymnasium equipped with all the fitness & exercise equipments.

Gender harrasment cum
Women Development Cell

Anti Ragging Committee & Squad

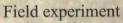


Pavillion

RESEARCH: Department wise research projects:

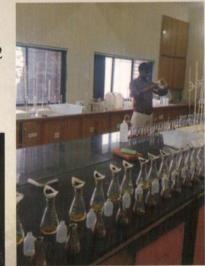
All the departmental faculties are actively involved in the research. A total of 32 ongoing projects give the students an opportunity to understand what and how of Agricultural research







Pathological testing



Soil sample Testing

Regular events for holistic development:

- Freshers welcome: As an Indian ritual of welcoming guest, College of Agriculture, Waghai every year gives fresher's welcome and orientation to the new comers
- College to campus programme: Provides a platform for making bright career for the job aspiring students.
- Navratri celebration: Being a folk dance of the Gujarat state, every year the Navratri, a festival of Garba is celebrated in the campus which is organized by the students.
- Annual function: "Sohang" (an opportunity to showcase your talent)
- Shahiddiwas: to commemorate the martyrdom and sacrifice of lives by the Shahid veer jawans of India
- Run for unity
- Yoga Day
- Intercollegiate kabaddi tournament
- Intercollegiate Sports and Cultural Competition
- Participation at Khel Mahakumbh
- NSS -Visit to NGO'S
- Camping and Trekking
- Thallesemia Checkup/Blood donation camp
- Swachhta Abhiyaan
- Rallies and Plays for Social Awareness

Ensuring students
experience and excel in
their field of interest in
their journey to be a
trained agriculturist









Department wise faculty: The inspiring torch bearers under the able guidance of Principal: Dr. J. J. Pastagia

Department	Name of Faculty	Designation	Qualification
Agronomy	Dr. Ajay P. Patel	Associate Professor	Ph.D.
	Dr. Vinay M. Patel	Associate Professor	Ph.D.
	Dr. Rahul R. Pisal	Assistant Professor	Ph.D
	Ms. Jyoti M. Kokani	Assistant Professor	M. Sc. Agri.
	Sandip Sonavane		M. Sc. Agri.
Horticulture	Dr. Mangaldeep Sarkar	Assistant Professor	Ph.D
	Mr. Nitesh K. Jadav	Assistant Professor	M. Sc. Horti.
	Dr. Sandip A. Aklade		Ph.D.
Genetics & Plant Breeding	Dr. Anita C. Solanke	Assistant Professor	Ph.D.
	Mr. Nitesh K. Jadav	Assistant Professor	M. Sc. Agri.
	Dr. Paresh A. Vavdiya		Ph.D.
Soil Science & Agriculture Chemistry	Dr. Navneet Kumar	Associate Professor	Ph.D.
	Dr. Hiren P. Dholariya	Assistant Professor	Ph.D.
Plant Pathology	Dr. Pushpendra Singh	Associate Professor	Ph.D.
	Dr. Amol J. Deshmukh	Assistant Professor	Ph.D.
	Dr. Rajendra P. Bambharolia	Assistant Professor	Ph.D.
Entomology	Dr. J. J. Pastagia	Professor	Ph.D.
	Dr. Dilip M. Damasia	Assistant Professor	Ph.D.
Extension Education	Dr. Mahaveer Choudhary	Associate Professor	Ph.D.
Agricultural Economics	Dr. Shreeshail Rudrapur	Associate Professor	Ph.D.
Statistics	Dr. Nitin Varshney		Ph.D.
Basic Science & Humanities	Dr. T.U. Chaudhary	Associate Professor	Ph.D.
	Mr. Pragnesh I. Solanki	Associate Professor	M.A.
	Mr. Vimal B. Patel	Associate Professor	MCA
Physical Education	Mr. Krunal B. Patel	Associate Professor	M.PEd.
Agriculture Engineering	Dr. Vinit Sharma	Assistant Professor	Ph.D.

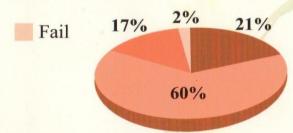


Academic

Mr. Gaurav Amipara received "Lt Shree Pramodbhai Desai, The Surat Dist co-operative bank Silver Medal" for securing highest OGPA in the subject group of Agricultural Economics and Extension Education in B.Sc. (Hons.) Agriculture for the year 2015-16

Result First Batch

- First class with Distinction
- First Class
- Second Class



Majority of students have successfully enrolled for higher studiesat various universities.

Achievements

Waghai provides an opportunity to participate in an array of co-curricular activities and excelled both in extra curricular as well as academically

Sports

- Jaimin Patel secured first prize in High Jump All India Inter Agricultural Universities
 Sports Competition held at TNAU, Coimbatore in Feb, 2016
- First Prize in 100m,200m and Long jump in Inter Collegiate Sports Tournaments of NAU







- First Prize in Girl's kho-kho at Inter Collegiate Sports Tournaments of NAU
- Second Prize in Cricket at Inter Collegiate Sports Tournaments of NAU
- Second Prize in Volley Ball at Inter Collegiate Sports Tournaments of NAU
- Runner's up for Staff Cricket at Inter Collegiate Sports Tournaments of NAU- 2016
- Secured first Prize for Dance at Gunjan-2014
- Secured first Prize for Mime and Second Prize for Drama at Gunjan-2013







Campus Interview by University were conducted and students from first batch were selected by companies like Altreat Biotech and Big basket

"It's not about how bad you want it....it's about how hard you are willing to work for it."

HILL MILLET RESEARCH STATION

WORKING WITH THE WONDER CROP

Crop	Variety	Grain Yield (kg ha ⁻¹)	Year of Release	Finger millet GN-4 (Red seeded)
Finger millet (Ragi)	Guj. Nagli-1	2000	1976	
` "	Guj. Nagli-2	2200	1982	微 (1)/
	Guj. Nagli-3	2365	1990	
	Guj. Nagli-4	2900	2006	
	Guj. Nagli-5 (White)	3200	2009	Finger millet GN-5(White seeded)
	Guj. Navsari Nagli-6	2536	2014	anger inner of 1-3(white seeded)
	Guj. Navsari Nagli-7	2477	2016	
Vari	Guj. Vari-1	1300	1978	The state of the s
(Little millet)	Guj.Vari-2	1700	2006	10000000000000000000000000000000000000
	Guj. Navsari Vari-3	2864	2016	Finger millet GNN-6 (Brown seeded)
Barnyard millet (Banti)	Guj. Banti-1	2200	1984	The second second
Kodra	Guj. Kodra-1	1800	1976	Control of the second
Kodo millet)	Guj. Kodra-2	2200	1993	W. A. A. A. A. C. A. C. C. A. C.
李部庙李	Guj. Kodra-3		2016	NEW TOTAL
Finger millet GN	N-7 (white seeded)	Little	millet GV-2	Little millet GNV-3
		NA.		
				M. ANNUAL MARKET

High Calcium, Iron , Phosphorus High fibre and more protein than rice
Gluten free



MANDATE:

- 1. To collect and generate germplasm for developing high yielding and resistant varieties of Nagli (Ragi), Vari (Little millet), Paddy and Tuber crops.
- 2. Testing of newly developed genotypes of Nagli (Ragi) and Vari (Little millet), Paddy, Tubers and vegetables.
- 3. Carrying out trials to determine suitable agro-technique for improved varieties.
- 4. To develop location specific varieties and production technology

Ragi Nutritional Chart (per 100 gms)

7.6gm of protein
1.5gm of fat
88gm of carbohydrate
0.48mg of vitamin-A
0.33mg of vitamin-B1
0.11mg of vitamin-B2
1.2mg vitamin-B3
3gm of fiber
344mg of calcium

KRISHI VIGYAN KENDRA

BRIDGING THE GAP BETWEEN TECHNOLOGY AND FARMERS

Vocational Training



Awareness Seminar about "Crop Insurance Scheme



Field Day



Parthenium Awareness



Farmers Training



Nutrition Awareness Week



Gruh Meeting



Soil Health Day



On Campus Organic Farming Training



Vocational Training



Pre kharif Sammelan



Paddy Field Day





Skill Development Training



Cattle Day



On Farm Demonstration



World Soil Day



MANDATE:

- Conduct "On Farm Testing" for identifying technologies.
- Organize the training to update the extension personnel with emerging advances in agricultural research.
- Organize short and long term vocational training course in agricultural and allied vocations for the farmers and rural youth with emphasis on "learning by doing" for higher production on farm and selfemployment.
- Organize Front Line Demonstrations (FLDs) for various crops.
- To be a knowledge and resource centre in district.
- To work as an "Information Hub" for district.

"The farmer works the soil, The agriculturist works the farmer.

AROUND WAGHAI: NATURE'S PARADISE



Waghai Botanical Gardens on Waghai-Saputara road, 3 km off Waghai town. The gardens are spread over large area and has diverse plants and trees. Must visit place for biology students.



The Don hill station scenic landscape located near Saputara and is perched on the border of Gujarat and Maharashtra and around 30km from Ahwa, the headquarter of the Dangs.



Girmal Falls (Dhodh) the highest fall in Gujarat Crashing from height of more than 100 feet. The water fluently crashes from great height, forming clouds of fog, through which one can often experience rainbows.



Shabari Dham temple is a on a hill, Chamak Dungar, approx 63 kms from Waghai. Shabaridham is the spot where Lord Rama met a Bhil woman, Shabari.



Devinamal Campsite is an Eco-tourism site located 5 km off from the Dang district headquarter, Ahwa. Placed amidst the dense jungles of the Dangs, Devinamal has been emerged as fresh Eco-tourism center after Kilad and Mahal



Chimer falls (Chichkund waterfalls) are located deep in the hilly areas of the Dangs. 40 km from Songadh, 50 km from Ahwa



Pampa Sarovar The pond and the shrine are located in a secluded valley hidden by boulder hills at the three sides. The pond, rectangular in shape, is usually filled edge-to-edge by floating lotus.



Vansda National Park a conserved wildlife area close to Waghai town, which is the entry point to Dang jungles



Gira Waterfall Waghai Gira Dhodh, located in Wanarchod village near Waghai is one of the best places to visit in Gujarat during monsoon season.



Anjani Kund (or Anjani Parvat) is a village near Ahwa related to various mythological stories. The villagers of Dang district believe that Lord Hanumanji was born in a cave of the Anjani mountain



Pandva caves in Pandava village on the route to Chinchali village. It is said that Pandavs in the period of their 'Vanvas', stayed here



Roopgadh fort ,kalibel ,Dang Constructed in the 17th century, the fort of Roopgadh is the only monument that demonstrates the Dangs' indigenous 'Giridurg' architecture. Pilajirao, the founder of Gaikwad dynasty established this fort in 1721 A.D. and made Songadh its capital.



Saputara Gujarat's only Hill Station is situated in the Sahyadri range, at an altitude of about 1000 m, is 51 kms from Waghai



Purna Wildlife Sanctuary is dense forest in North Dang forest range spread between Vyara, Tapi and Ahwa. It is second protected area in South Gujarat after Vansda National Park. it is also a bird watching site, recently Dang Bird Festival was organized at Mahal

Visionary: Striving to nurture Waghai Agricultural Campus as one of the best



Dr. Jayesh Jayantilal Pastagia Principal

Dr. Jayesh Jayantilal Pastagia completed his M. Sc. Agri. and Doctorate degree (Ph.D.) in Agricultural Entomology with specialization of Apiculture. from N. M. College of Agriculture, NAU, Navsari. He is also awarded 2 **gold medals** in under graduation and awarded **best thesis** by Gujarat Association for Agricultural Sciences, Ahmedabad for the year 2007.

He is having 29 years of experience in research, teaching and extension education. He published/presented 87 research papers, 155 popular articles, delivered 12 TV/ radio talks, published 9 books, attended 04 international, 25 national and 24 state level seminar/ symposium/ workshops. He successfully handled nine projects. Designed and taught seventeen undergraduate courses. He is guiding / guided five M.Sc. (Agri.) and four Ph.D. students. Awarded the prestigious "Sardar Patel Research Award" by The Government of Gujarat for the year 2001-2002 as a co-worker for work for research on Phosphorous Solubilizing Microorganism (PSM) in Sorghum.



Waghai Campus Map

The total land area is about 20.05 hectares. It is located at two different places 4 km apart from each other.

Rajendrapur farm and campus is situated on the left side of road to Ahwa in village Rajendrapur, just 200 m from Waghai village circle.

Rambhas farm is 3kms from Waghai circle

Campus area: 3.63 ha

The campus is 1 Km far from Waghai market.

Advances in medicine and agriculture have saved vasily more tives than have been lost in all the wars in history.

