

### 6.3.5 Does your university as a body plant landscapes to minimise water usage? (e.g. use drought-tolerant plants)

#### A green university city that supports environmental sustainability.

<https://twitter.com/QassimUniv1/status/1639338095089680399> [1]

More than 72,000 trees and palm trees, and 138,000 square meters of green areas and spaces are adorned #جامعة\_القصيم through treated water that is used in irrigation operations at the university.



#### The Green KSA Initiative

<https://twitter.com/QassimUniv1/status/1670478362530181120> [2]



From الإخبارية - آخر الأخبار

Within the #الخضراءالسعودية initiative and to achieve the goals of the Kingdom's Vision 2030.

#جامعة\_القصيم contributes to increasing the vegetation area within the university city and benefiting from approximately 524 thousand cubic meters of treated water to reduce the effects of desertification

#### The sustainable Development Corner of the Fourth Campaign

<https://twitter.com/QassimUniv1/status/1659190282066497536> [3]



In order to raise the level of environmental awareness.

The sustainable development corner of the fourth # **القصيم** campaign “Awareness, Health and Education” provided the visitors of the campaign with educational materials in preserving the environment and encouraging practices in protecting and cultivating wild plants, in addition to rationalizing energy and water consumption, at the Celebrations Center in Qubba in Al Asyah Governorate.

## Amir Al-Jouf honors two faculty members at the university for winning the Olive Research Award

<https://qu.edu.sa/content/news/1132> [4]

HRH Prince Faisal bin Nawaf bin Abdulaziz, Governor of Al-Jawf Region, honored the two faculty members of the University, Dr. Saleh Sulaiman Saleh Al-Huairini, Associate Professor of Pesticide Toxicity at the Department of Plant Production and Prevention at the Faculty of Agriculture and Veterinary Medicine at the University, and Prof. Dr. Mahmoud Mustafa Al-Azazi, Professor of Acarus at the Department of Plant Production and Protection at the Faculty of Agriculture and Veterinary Medicine, for winning equally the Olive Research Award in Al-Jouf, during the Twelfth International Olive Festival in Al-Jawf Region, which was held at the Prince Abdulelah Cultural Center in Sakakah, On Wednesday 19/5/1440 AH.



The winning research aimed at the biological control of Acarusian pests that infect olive trees using one of the local predators registered in the Kingdom of Saudi Arabia, where biocontrol is one of the most important means of integrated pest management, which is characterized by the elimination of pests without resorting to the use of chemical pesticides, the use of which randomly leads to pollution of the environment, as well as its impact on natural enemies and other negative effects on non-target pests.

According to specialists and experts, the research is of great scientific and applied value to those interested in organic agriculture, and the production of a safe and clean agricultural crop away from the residual impact of pesticides, as this goal is the modern trend in pest control globally.

## Qassim Land is Green

<https://twitter.com/QassimUniv1/status/1655892766914740224> [5]



It exceeded 70,000 trees during its previous stages.

His Excellency the President of # جامعة\_القصيم inaugurates the eleventh phase of the # أرض\_القصيم\_خضراء and # لنجعلها\_خضراء initiative, which aims to plant 30 thousand seedlings and increase the vegetation cover in the university, in the presence of His Excellency the Vice Rectors, His Excellency the Director General of the Ministry of Environment, Water and Agriculture in Qassim Region, and His Excellency the Director of the National Center for Vegetation Development and Combating Desertification branch in the region, at the headquarters in the university city.

## Cooperation for Green Qassim

<https://twitter.com/QassimUniv1/status/1655894402265497600> [6]

His Excellency the President # جامعة\_القصيم honors the branch of the Ministry of Environment, Water and Agriculture in Qassim Region, and the National Center for Vegetation Cover Development and Combating Desertification in the region for their cooperation with the university in implementing the # أرض\_القصيم\_خضراء and # لنجعلها\_خضراء initiatives.



## The One Million Environmental Volunteer Hours Campaign

<https://twitter.com/vuquni/status/1653077659302129665> [7]

Today, the One Million Environmental Volunteer Hours Campaign was launched through the afforestation of the University City and the Women's Colleges Complex at #جامعة\_القصيم, as part of the agreement signed between the university, the Ministry of Environment, Water and Agriculture branch and the National Center for Vegetation Development, which provides a package of various environmental volunteer opportunities.



## Treating Water

<https://twitter.com/QassimUniv1/status/1642430149583929344> [8]

524 thousand cubic meters annually of treated water are invested to enhance the vegetation cover in the university city with #جامعة\_القصيم



From الإخبارية - آخر الأخبار

## Memorandum of Understanding to Implement the Campaign of One Million Environmental Volunteer Hours

<https://twitter.com/QassimUniv1/status/1640333907202650113> [9]



His Royal Highness Prince Dr. Faisal bin Mishaal bin Saud bin Abdulaziz, Governor of Al-Qassim region, witnesses the signing of a memorandum of understanding to implement the campaign of one million environmental volunteer hours between #جامعة\_القصيم and the branch of the Ministry of Environment, Water and Agriculture, and the National Center for Vegetation Cover Development and Combating Desertification in Al-Qassim, in the presence of His Excellency the President of the University, Professor Dr.



Our environment is our life.. we do not destroy it with our own hands..

Be responsible and protect the environment.

<https://twitter.com/QassimUniv1/status/1635948481301839872> [10]



Afforestation Section

<https://services.qu.edu.sa/laravel-filemanager/files/shares/annual%20report1.pdf> [11]



### مهام وحدة التشجير :-

الكميات	الأنواع	م
١٩٠٠	الحمضيات (برتقال، ليمون، بومبا)	١
٣٢٠	النخيل	٢
١٥٠	تكموما	٣
٨٠	ليبيخ	٤
١١٠	بروميا	٥
٢٤٠	فيسكس	٦
٣٠	كفا	٧
٢٨٣٠	إجمالي الأشجار	٨

- ١- زراعة الأشجار في المدينة الجامعية.
- ٢- إعداد برامج و دورات تدريبية للعاملين في مجال التشجير.
- ٣- زراعة الأنواع النباتية المحلية المقاومة للظروف البيئية الصعبة.
- ٤- اتباع المعايير والضوابط في عمليات التشجير داخل المدينة الجامعية و المدينة.



### إنتاج الصبارات و مغطيات التربة :-

ملاحظات	الأنواع	م
مدر	تكموما	١٢٠
	نخيل واشتطونيا	٧٨٨
	الدلب	١١٠
	أوليت	٥١٠
	إجمالي الإنتاج	١٥٨٨ شتلة مدر

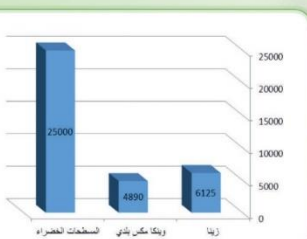


### إنتاج وحدة التشجير:

العدد	البيان	م
٣٠٠ شجرة	زراعة اشجار الحمضيات	١
٧٢٠ نخلة	عدد النخيل القديم	٢
٣٢٠ نخلة	عدد النخيل الجديد (البلدي)	٣
٣١٥ نخلة	عدد نخيل واشتطونيا (الأمريكي)	٤
٢٠٠ م <sup>٢</sup>	مساحات للسطحات الخضراء	٥
١٤٤ م <sup>٢</sup>	وضع اشكال هندسية في الدورات و الجزر الوسطى و الدورات المتوسطة	٦

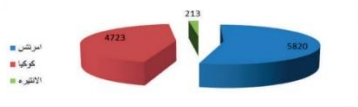


### إنتاج الزهور المستخدمة :-



الكميات	الأنواع	م
٦١٢٥	زينة	١
٤٨٩٠	وينكا مكن بلدي	٢
٦٥٠٠	المساحات الخضراء (مغطيات تربة)	٣

### إنتاج الحوليات :



الكميات	الأنواع	م
٥٨٢٠	مرنشم	١
٤٧٢٣	مكوكينا	٢
٢١٣	الأنشيرا	٣

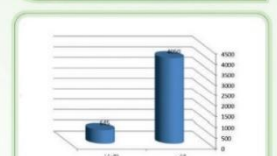
### إنتاج مغطيات التربة

الكميات	الأنواع	م
٤٩٩	الصبار الأحمر	١
٦٧	الصبار الأخضر	٢



### إنتاج مغطيات التربة

الكميات	الأنواع	م
٤٠٥	الدلب	١
٦٤٥	الأوليتا	٢



## The University holds a lecture to introduce the role of afforestation and vegetation in the environmental renaissance entitled «The tree is the solution»

<https://qu.edu.sa/content/news/2284> [12]

The University, represented by the College of Agriculture and Veterinary Medicine, organized on Tuesday, 17/3/1442 AH, a remote scientific lecture entitled "The tree is the solution", presented by Prof. Dr. Abdulrahman Al-Saqair, in conjunction with the launch of the sixth phase of the campaign launched by His Royal Highness Prince Dr. Faisal bin Meshaal bin Saud bin Abdul Aziz under the slogan "The land of Qassim is green and many parties in the region participate in it.

During the lecture, Al-Saqair reviewed the Kingdom's comprehensive environmental renaissance in which trees and vegetation cover in general were of particular importance, represented by giant protection and afforestation projects, listing many examples, which included the establishment of royal reserves, the Green Riyadh project, as well as the campaign of the land of Qassim green, and the campaign "Let's make it green", stressing that the Kingdom's Vision 2030 has defined the framework of this environmental renaissance and confirmed it.

The lecture addressed the importance of caring for trees and afforestation, which is justified if we take into account their important role in combating pollutants of all kinds, reducing the severity of desertification and sand storms, enhancing biodiversity, humanizing cities and enhancing the quality of life, in addition to their health, economic and aesthetic features, so the countries of the world race and compete in planting and caring for trees and increasing the area of green spaces.

Al-Saqair pointed out that the success of afforestation projects in the Kingdom must be the cooperation of the government sector, the charitable sector and the private sector, in addition to the need to benefit from the growing community awareness of the importance of trees and their vital role for man and the environment by involving all segments of society in the efforts to develop and preserve vegetation cover because of its paramount importance to public health, quality of life and the environment.



## With the aim of preserving the environment and combating desertification.. The University Participates in the Eighth Phase of the "Green Land of Qassim" Campaign

<https://services.qu.edu.sa/content/news/142> [13]

The University, represented by the General Directorate of Maintenance and Services, continues its participation in the eighth phase of the "Land of Qassim is Green" campaign, which was launched on Wednesday, 28/3/1443 AH, under the patronage of His Royal Highness Prince Dr. Faisal bin Meshaal bin Saud bin Abdulaziz Al Saud, Governor of Qassim Province.



During this phase, the General Directorate of Maintenance and Services at the University aims to plant approximately 12,000 seedlings of various trees throughout the University City, under the guidance and follow-up of His Excellency Prof. Dr. Abdulrahman bin Hamad Al-Dawood, President of the University, where the University is keen to participate in this campaign every year and will continue to support it to ensure the provision of a healthy and clean environment within the University City.

For his part, the General Supervisor of the General Directorate of Maintenance and Services in charge, Eng. Majid bin Saleh Al-Harbi, stressed that the university's participation in this campaign comes with the aim of preserving the environment and combating desertification, pointing out that this national work is our way to combat desertification and restore our vegetation cover, increase the green space in the university city as well as through the expansion of afforestation works, and raise the percentage of total green spaces in it through the cultivation, dissemination and intensification of afforestation throughout the university sites.

## The Deanship of Community Service at the University participates in the campaign «The land of Qassim is green» by planting 1000 diverse seedlings

<https://qu.edu.sa/content/news/2296> [14]

The Deanship of Community Service at the University, in cooperation with the General Directorate of Maintenance and Services, is participating in a campaign for afforestation in several different locations in the Qassim region over a period of 30 days, as part of the University's participation in the campaign of His Royal Highness Prince Dr. Faisal bin Meshaal bin Saud bin Abdul Aziz, Amir of Qassim "The land of Qassim is green", where His Excellency the President of the University, Prof. Dr. Abdulrahman bin Hamad Al-Daoud, inaugurated the University's participation in the sixth phase of the campaign on Monday, 16/3/1442 AH.

Through its participation in the campaign for the sixth time in a row, the University aims to expand the afforestation work and raise the percentage of total green spaces in the Qassim region, through



the cultivation, dissemination and intensification of afforestation, where it aims to plant about 1,000 diverse seedlings, in different locations such as schools, mosques and a number of gardens in all governorates of the Qassim region, in coordination with the Ministry of Agriculture and the relevant authorities.

The Deanship's participation in the activities of the sixth phase of this campaign will continue over a period of 30 days, based on its mission towards the development and service of the community, and as an active participation towards achieving the objectives of the National Transformation Program and the Kingdom's Vision 2030 related to environmental protection, supporting afforestation, preserving natural vegetation cover, reducing pollution, raising air quality, beautifying cities, increasing the green area, raising the quality of life for individuals, and providing a healthy environment.



## The University participates in the seventh phase of the campaign «The land of Qassim is green» to cultivate 10,000 seedlings

<https://services.qu.edu.sa/content/news/125> [15]



The University, represented by the General Directorate of Maintenance and Services, continues its participation in the seventh phase of the "Land of Qassim is Green" campaign, which was launched on Sunday, 23/7/1442 AH, and lasts for 30 days, where the University aims to plant approximately 10,000 seedlings of various trees throughout the University City and the University sites, under the guidance and follow-up of His Excellency Prof. Dr. Abdulrahman bin Hamad Al-Dawood, President of the University.

Since the launch of the seventh phase of the campaign, which was launched by His Royal Highness Prince Dr. Faisal bin Meshaal bin Saud bin Abdulaziz, Governor of Qassim Province, the Maintenance and Services Department at the University has been able to plant a large number of seedlings in the

University City, in addition to the seedlings planted in the University's branches in the governorates, with the active participation of all university entities in order to improve the environment within its branches.

For his part, the General Supervisor of the General Directorate of Services and Maintenance at the University, Eng. Saleh Al-Dhale, stressed that the administration has increased the green area and trees within the University City by more than 50% during the last three years, with the aim of making the University City a green area in conjunction with the campaign of His Highness the Amir of the region, pointing out that the University represented by the General Directorate of Maintenance and Services is interested in participating in this campaign every year and will continue to support it to ensure the provision of a healthy and clean environment for the people of the Qassim region.

Al-Dhalea added that the university's participation in this campaign aims to increase the green space in the university city and expand the afforestation work, and raise the percentage of total green spaces in it through planting, spreading and intensifying afforestation throughout the university sites, which contributes to improving the air and lowering temperatures in the university city and in all university sites in various governorates, while achieving the optimal utilization of treated water in irrigation works.

## The Rector of the University launches the campaign "The land of Qassim is green" by planting 1500 trees in the university city

<https://qu.edu.sa/content/news/1006> [16]

His Excellency Prof. Dr. Abdulrahman bin Hamad Al-Dawood, Rector of the University, inaugurated on Wednesday morning, 15/2/1440 AH, the campaign "The Land of Qassim is Green", at the headquarters of the University City in the presence of the Vice-Deans and Deans of the University, where the campaign aims to plant 1500 trees in the University City, based on the initiative of the Emir of the Qassim Region, His Royal Highness Prince Dr. Faisal bin Meshaal bin Saud bin Abdulaziz, who recently inaugurated the third phase of the campaign, to increase interest in afforestation and green spaces in the region.



Al-Daoud stressed the importance of this initiative for the Qassim region to be a green land, pointing to His Highness' constant encouragement and urging him to pay attention to trees, especially the Palm, which reflects the interest in them progress, civilization and sophistication, stressing that the university bears a great burden in terms of agricultural research and studies, as it has a great ability in this field with the presence of a specialized and pioneering college, namely the Faculty of Agriculture and Veterinary Medicine.

Al-Daoud pointed to the role played by the Department of Maintenance and Services, and the efforts it has made during the recent period, where we have seen a clear shift in the university land to be green, wishing to exert more efforts, expressing his ambitions and aspirations to reach that the land of all the university city will be green in the near future, and noting their ability to achieve this, because of the unlimited support our universities have received from our rulers - may God protect them - asking Almighty God to preserve our homeland and perpetuate its grace.

Eng. Saleh Al-Dhale, Director of the Services and Maintenance Department at the University, talked about the University's initiative to plant a number of shade, ornamental and fruit trees suitable for the environment in the positions of students and faculty members throughout the University, where the Department during the past year planted 400 palms and work is still underway to complete the cultivation of palms, and 3000 citrus trees were secured because of their environmental, health and nutritional importance of orange, lemon and tangerine trees, and 1000 shade trees of various kinds were planted in the positions of the College Sharia and the new sports city, which has grown well thanks to God, adding that 25,000 meters of green spaces have been planted inside the university and on the sides of the roads, where the positions of the Faculty of Science, Economics and Management, the Faculty of Medicine and the University Hospital will be started.

Al-Dhalea also announced the imminent implementation of a park for faculty members and students that is currently under way, and will include green areas, pedestrian tracks, and appropriate sessions, where a well was drilled to supply it with water, offering his sincere thanks to His Excellency the Rector for his support and continuous follow-up and all cooperating parties.

## The University's Services Department prepares to afforestation parking lots for male and female students

<https://qu.edu.sa/content/news/979> [17]

Eng. Saleh Al-Dhale, Director of the Services and Maintenance Department at the University, revealed the University's intention to tree and cultivate the positions of students in the University City, because of the environmental and health benefit, and to save expenses for the University, where the project began to cultivate the positions of the College of Sharia as a first stage, with more than 500 diverse trees, including: "Pazromia, Vix and Ficus", and the rest of the positions of the colleges are being completed.



Al-Dhalea pointed out that an irrigation network has been implemented for tree ponds to ensure the continuity of the presence of water for this project, and trees have been planted in the road (101) of the university, and the sites near it with an area of 10 thousand meters and some sites are being completed, where some cosmetic works are being done such as: the work of stone cladding and the renovation of the fat of sidewalks and artificial bumps in the roads in the university city, adding that 400 palms have been cultivated near the gym and a number of sites and a number of roads are being completed, and 3000 have been secured A citrus tree with a variety of "lemon, orange, tangerine" to plant near the administrative building and some colleges.

Al-Dhalea added that one of the contractors has been baptized to dig a well for the gym and housing in order to provide water to them, and to the green spaces in it, as the university seeks to expand the green spaces in it, and increase the rate of afforestation and attention to it continuously, this comes because of the continuous support we receive from His Excellency Prof. Dr. Abdulrahman bin Hamad Al-Dawood, Rector of the University, and Dr. Mohammed Al-Saawi, Vice President of the University, to manage services and maintenance to carry out its work and the remarkable interest in the development and development of the agricultural field at the university.



## The University participates in the seventh phase of the campaign «The land of Qassim is green» to cultivate 10,000 seedlings

<https://qu.edu.sa/content/news/2526> [18]

The University, represented by the General Directorate of Maintenance and Services, continues its participation in the seventh phase of the "Land of Qassim is Green" campaign, which was launched on Sunday, 23/7/1442 AH, and lasts for 30 days, where the University aims to plant approximately 10,000 seedlings of various trees throughout the University City and the University sites, under the guidance and follow-up of His Excellency Prof. Dr. Abdulrahman bin Hamad Al-Dawood, President of the University.



Since the launch of the seventh phase of the campaign, which was launched by His Royal Highness Prince Dr. Faisal bin Meshaal bin Saud bin Abdulaziz, Governor of Qassim Province, the Maintenance and Services Department at the University has been able to plant a large number of seedlings in the University City, in addition to the seedlings planted in the University's branches in the governorates, with the active participation of all university entities in order to improve the environment within its branches.

For his part, the General Supervisor of the General Directorate of Services and Maintenance at the University, Eng. Saleh Al-Dhale, stressed that the administration has increased the green area and trees within the University City by more than 50% during the last three years, with the aim of making the University City a green area in conjunction with the campaign of His Highness the Amir of the region, pointing out that the University represented by the General Directorate of Maintenance and Services is interested in participating in this campaign every year and will continue to support it to ensure the provision of a healthy and clean environment for the people of the Qassim region.

Al-Dhalea added that the university's participation in this campaign aims to increase the green space in the university city and expand the afforestation work, and raise the percentage of total green spaces in it through planting, spreading and intensifying afforestation throughout the university sites, which contributes to improving the air and lowering temperatures in the university city and in all university sites in various governorates, while achieving the optimal utilization of treated water in irrigation works.

## Learn about the methods of palm propagation in the university pavilion in Janadriyah

<https://www.qu.edu.sa/content/news/764> [19]

The Palm Corner at the University Pavilion at the National Festival of Heritage and Culture "Janadriyah 32", provides a detailed explanation to visitors about the methods of palm propagation, which falls under the Palm Care Section, where the participants in the corner explain the methods of sowing, nucleus, palm propagation, and tissue transplantation, in addition to providing an interesting scientific explanation of the palm and dates and what they contain through simplified scientific facts to reach community members and interested people to enhance this aspect of them.

The Palm Corner includes several other sections, including classification, geography and care of the Palm, agricultural practices, and the protection of the Palm, in addition to the Palm Secondary and Manufacturing Industries Corner, which shows the amount of benefit from it and the manufacturing industries and products it offers with good and diverse economic returns, as well as a review of the interest provided by the University to this tree in terms of interest, studies, literature, research and holding international and local meetings to promote this vital sector.

The staff of the corner supervised by the Faculty of Agriculture and Veterinary Medicine explained that the propagation of palms is carried out in several ways: either by seed, which is the kernel of the date, and this method is germinated where the plant comes out of the hole of the purifier, which is the only part from which the plant comes out, and usually the type of plant is contrary to the type of mother and is not the same variety after germination, or the second way, which is the propagation of palm trees through the fascia, which is the small palm tree adjacent to the big palm tree where it is removed. The plant of the mother is planted in the ground and about five years after planting it produces fruit and is completely identical to the origin of the mother.

The third method is when the method of tissue transplantation where part of it is taken from the mother palm or tissue scraped from the body of the palm and placed in the laboratory and raised for about five years and after its growth is transferred to the nursery until it adapts to the external atmosphere for a year and after the nursery, the liquids are taken and planted in the soil in the field and five years the fruiting begins and the interest comes wild and watering the liquids in its three ways, and irrigation is traditional by submerging water and pumping it into earthen channels until it reaches trees. Palms are completely flooded with water or drip irrigation of trees and the third is drip liquid irrigation which is modern irrigation.

## General Administration of Maintenance and Services

<https://services.qu.edu.sa/laravel->

<filemanager/files/shares/%D9%85%D9%84%D8%AE%D8%B5%20%D9%8A%D9%86%D8%A7%D9%8A%D8%B1.pdf> [20]

The treated and pressurized irrigation water will be pumped to irrigation networks and water sprinklers. For green areas and filling irrigation tanks all over the university city with an amount of 29,854 cubic meters for this month and meet the need by 100%