

# FOREST UPDATE



**PUNJAB FOREST  
DEPARTMENT**

**APRIL 28, 2012**  
**SPRING TREE PLANTING CAMPAIGN 2012**

**019**

## AFFORESTATION AT PC BHURBAN MURREE BY JUSTICES

Divisional Forest Officer, Murree organized a mass tree planting campaign at Murree with the help of Publicity Forest Division, on the eve of South Asia Environmental Justice Conference at Pearl Continental Hotel, Murree, where Honorable Chief Justice of Pakistan, Iftikhar Muhammad Chaudhary and justices of various countries planted trees. Maj. (Retd.) Shahnawaz Badar was present on the occasion and also planted a tree. Honorable Chief Justice appreciated the efforts of the Punjab Forest Department and the way DFO Murree is fighting against land mafia. The event was appreciated by people from all walks of life.



Chief Justice of Pakistan Mr. Iftikhar Muhammad Chaudhary planting a tree at Murree along with various Justices of the World



Mr. Abdul Jabar Shaheen, Commissioner Gujranwala Division offering prayer after planting a tree at Gujranwala Forest Complex

## *Azadirachta indica* (Nim شیم)

It is native to India, Pakistan, Nepal, Afghanistan, Burma, China and Sri Lanka and found in Sindh, Southern Punjab, and lower Balochistan. It is a medium to large, usually evergreen tree, 12 to 25 meter tall. A moderately intolerant tree that withstands some shade at an early age.

It grows on soils which vary from rich loams to nutrient deficient sites which are not saline or waterlogged and where the water table is above 18 m. It requires precipitation zone of 300 to 1150 mm/yr and prefers on arid, hot tropical and sub-tropical climate with a temperature range of 1 to 45 °C.

It is frost hardy and grass competition will prevent its establishment. It coppice easily and has few insect and disease problems. Reproduced from seed and by vegetative means. Growth rate is high. On rotations of 8 years yield of 5 to 18 m<sup>3</sup> have been recorded. Coppice stands

seem to grow faster than seedling stands. The grain is even textured, interlocking, dull to somewhat lustrous. The color is sapwood is grayish white, heartwood is red fading to reddish brown with age, darkening on exposure. Flowers are small, white and with the fragrance of honey, appear between March and April. It is used in Furniture, fodder, wood carving, timber, agriculture implements and tannin. Oil (from the seed) is marketed as a pesticide, vermifuge and a contraceptive and its leaves as a febrifuge extracts as a cure of typhoid.



## *Dalbergia sissoo* (Shisham, Talhi شیشم، تالھی)

It is native to the Sub-Continent along sub-Himalayan tract. It is successfully planted in many areas of Pakistan, India and other parts of the world. It is common along rivers banks and streams.

It is a medium size to large, deciduous tree, one of the most important trees in Asia occurs in dry sub-tropical, dry temperate climate and does best on well drained sandy to sandy loam soils but will tolerate saline soils. It has an elevation range of 900 to 1500 m if precipitation is between 300 to 2000 mm. Which is frost hardy and has a temperature range of 0 to 50 °C. A very intolerant tree, susceptible to root diseases in irrigated plantations and attacks by a number of leaf fungi. Young trees are heavily grazed and browsed. Reproduced both from seed or by vegetative means. In Irrigated Plantations growth of 11m in height and 20 cm in diameter have been recorded during a 15 year period. MAI of 7.7. m<sup>3</sup>/ha/yr is achieved over a 20 year rotation. The grain is interlocked with a medium to coarse texture.

The color of sapwood white to pale brown. Heartwood is golden brown to dark brown. The wood is heavy with a specific gravity of 0.85 and calorific value of 5000 kcal/kg. The wood is hard, strong and resilient. Flowers occur in groups and are small, dull white to yellowish white to pinkish, appears in March - May. It is used as Fodder, furniture, fuel and charcoal, railway carriages, sporting goods, farm implements and shade. Roots and bark have some medicinal.



Maj. (Retd.) Shahnawaz Badar, Secretary Forests, inspecting the Afforestation at Danish School



Maj. (Retd.) Shahnawaz Badar, Secretary Forests, planting tree at Forest Complex Multan



Muhammad Mehbub-ur-Rehman, CCF, Central Zone, planting a sapling at Forest Complex Gujranwal



### AFFORESTATION AT SIMS

Prof. Dr. Faisal Masood, Principal SIMS organized a tree planting campaign with the help of Publicity Forest Division. It was one of the best and mega events among all spring tree plantation ceremonies at various educational institutions in the current year. With great zest and zeal, all Professors and students of SIMS planted the trees in the name of their mothers. Mehr Jewan Khan, was the chief guest of the ceremony. Dr. Ayyaz Mahmood who is son of renowned Forester of the world, M.I. Sheikh, former Director General, PFI, and Chief Conservator of Forests Punjab also graced the occasion with his presence. Besides Dr. Ayyaz, Prof. Dr. Faisal Masood, Principal, Prof. Dr. Hamid Javaid Qureshi, Head of Physiology Department/Chairman Academic Council, Prof. Dr. Muhammad Ali, Head of Pediatric Medicine/ Project Director, Prof. Dr. Riaz Ahmad Tasneem, Prof. of Urology also planted trees. The Principal arranged lunch for all 200 students.



Mehr Jewan Khan, Chairman Board of Management, Services Hospital (SIMS)



Dr. Faisal Masood



Dr. Ayyaz Mahmood  
S/o M.I. Sheikh, CCF

### MASS PLANTING AT G.C UNIVERSITY

Punjab Forest celebrated the spring tree planting campaign 2012 successfully in Govt. College University Lahore by organizing two ceremonies. In old campus Mr. Khaleeq-ur-Rehman, Vice Chancellor along with Dr. M. Zakria, Director Research, Lahore, Dr. M. Khalid Pervaiz, Dean Faculty of Arts social Welfare & Sciences Tech. Prof. Dr. Zaheer-ud-Din, Incharge Botany Department and Director Protocol Punjab planted trees. The Vice Chancellor in his speech appreciated the efforts of the Punjab Forest Department for the technical help and plants. The second ceremony was held at Kala Shah Kaku Campus, where a competition was held between Botany and Zoology departments and more than 1000 plants were planted by the students and teachers, duly supervised by the Prof. Dr. Zaheer-ud-Din and Divisional Forest Office, Publicity. Among the students, best planters were awarded prizes by the Publicity Forest Division.



Prof. Dr. Khaliq-ur-Rehman  
Vice Chancellor, GC University Lahore



Students of GC University,  
Kala Shah Kaku

### THE SAGA OF MURREE HILLS

Murree, once known as the queen of hills is now bald, barren, bleak and bare. Vegetation has been ruthlessly removed for housing, for fuel and cultivation fodder over a period of time. The forest areas are burdened with legal rights of the people inhabiting these hills. Although the forest land area continues to be static, with increase in population, the rights are multiplying. These rights constitute felling a tree when a man dies in a family, to graze their livestock which has gone beyond manageable proportions, and to cut the grass. This is allowed legally; illegally they might do any thing they like, unabated and unchecked, playing havoc with the sparse tree growth, shrubs and grass. Removal of vegetation, cultivation, on steep slopes and excessive grazing has opened a Pandora's Box. Land slips, slides and erosion have become rampant. The reservoir of Mangla which is partly fed with the water from Murree hills watersheds and which was completed at colossal cost is getting silted up at a fast pace Annual erosion rate in the catchments of this dam is extensive. Resultantly, there is loss of fertile soil, shrinkage of storage capacity, reduction in hydro-power production leading to loss in agriculture and industrial output. Continue.....

### GLIMPSES OF SPRING TREE PLANTING CAMPAIGN 2012 IN PUNJAB



Dr. Irshad Ahmad, DCO Chiniot  
planting a sapling at Highway Rest House, Chiniot



Syed Gulzar Hussain Shah, DCO Khushab  
planting a sapling in his office



Ishique Ahmad Javaid, DCO Lodhran offering  
prayer after planting a sapling in his office



Mian Jamil Ahmad, DCO Nankana Sahib  
planting a sapling



Malik Rafique Ranjwana, Senator, offering prayer along with  
Dr. Muhammad Arshad, CCF, SZ, at Forest Complex Multan



Muhammad Saleem, SE, Wagda Sheikhpura,  
planting a sapling



Mrs. Sidra Younis, Administrator Kabirwala, offering  
prayer after planting a sapling at Tehsil Complex



JM Javaid, Chief Executive Jadeed Feeds, offering  
prayer after planting a sapling at DPO, Khanewal



Abdul Basit, CF D&WP Lahore, trainer of National  
Institute of Research in soil and Geomatics (NIRS)



Muhammad Faisal Haroon, DFO Multan Forest Division  
planting a sapling at DCO Office



Qazi Muhammad Asfaq, Commissioner Sahiwal  
planting a sapling at DCO complex Pakpattan



Jahazaib Nazir Khan, DPO Pakpattan  
planting a sapling at DCO Complex Pakpattan