

UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE

NORTH CENTRAL FOREST EXPERIMENT STATION  
Forestry Sciences Laboratory

P. O. BOX 898  
RHINELANDER, WISCONSIN 54501

IN REPLY REFER TO

4100  
November 17, 1982

Dr. Jay Kitzmiller  
Regional Geneticist  
USDA Forest Service  
Tree Improvement Center  
2741 Cramer Lane  
Chico, California 95926

Dear Jay:

Thank you for the tree improvement plan of the California Region. The information will be very useful for my research. It appears to me that by incorporating the results of your work at Denver into your current plan, you would have a very sound plan for both short-term and long-term tree breeding. By long-term I mean breeding activities which will last for more than three generations.

→ As we discussed in our previous telephone conversation, I would like to propose the establishment of a European larch test seed orchard. In the Lake States Region, flowering of European larch is repeatedly hampered by late frost. If we can successfully grow larches in California, it would make continuous larch breeding and seed production possible. Additionally, we are currently developing a plan to test different locations in the North-South transections of midwestern states for flower production.

There are two ways of establishing the seed orchard. First, we have seeds which you can use to establish a seedling seed orchard. Secondly, we can sow seeds here at Rhineland and grow them for one growing season. Then we can obtain rooted cuttings from the seedlings. These rooted cuttings can be planted both at California and Rhineland. It is also possible to have both approaches. Planting of 480 trees and 640 trees (rooted) will be necessary for the two approaches, respectively. The time of planting can be adjusted within the next two years. I prefer the second approach because if the scheme works, we can select the superior trees at Rhineland and make crossings at California. Please let me know of your opinion on the proposal.

Thank you.

Sincerely,

  
HYUN KANG  
Population Geneticist



~~ETS 754-1000~~

Case by  
Funding? Case  
NO [Block planting  
for open pollination?  
Spacing?  
10 yr. period  
needed

Has seed