

Chat Room: Friday, April 8, 2022 - Science & Technology Committee Meeting

Thomas Klak:	Jared: if some LSAs are blight resistance, why do we need to mix in non-American genes?
Bruce Levine:	I have questions about pre-screening seeds from best x best crosses. You suggest genotyping to predict best seedlings based on their DNA. What about small stem assay screening. Is one method better than another? Should we do both?
dananelson:	Jared, can you calculate the Ch ancestry component that is not associated with blight resistance? Showing three genomic components in the selections-- %Am + %DR loci + %Ch
Bruce Levine:	Leaf injur in OxO plants. How do you know this is due to Oxo or some other trait of the Darling 58 trees not related to Oxo?
John French:	What substance(s) has been identified by the ORNL that inhibit C.p. in vitro?
Bruce Levine:	Can't hear anything
Kendra Collins:	ok now?
Thomas Klak:	Yes we can hear
Bruce Levine:	yes
John Hempel:	Yep, audio good now.
HEC IT:	Can we get the screen shared?
HEC IT:	Thanks!
Bruce Levine:	Question re high-light pollen production. Are we unwittingly selecting for trees that are genetical prone to early pollination?
Thomas Klak:	We get pest & pathogen challenges in our hi light speed breeding of OxO seedlings, but we don't see the leaf curl at U of New England
Thomas Klak:	Zoom doesn't see the screen
Thomas Klak:	Great thanks
John Hempel:	Eric! I remember those trees. They're over twice the size I remember from ~ a dozen yrs ago. They look great!
John Hempel:	Bill, Could you go back to that Western slide and go over that again?
Thomas Klak:	What do you see as what could be the highest likelihood road block to deregulation by Aug 2023?
John Hempel:	Great, thx, and of course I'm always happy when there's something highlighting the native existence of Germin and the close relationship.
Bruce Levine:	Bill - in addition to OxO do the D58 trees and progeny also carry the neomycin resistance gene?
John Hempel:	Susanna, Just parenthetically, cool - I thought that might be a Finnish name. I just found out last fall by genetic analysis that I'm 1/8 Finnish, doubtlessly via my Swedish great-grandparents. I was immensely happy to learn that.
Susanna Kerio:	Hi John, there are lots of Finns who have migrated to the US, especially in the the Northern states like Michigan. Glad to be here!
Thomas Klak:	Debby: Help us understand why your draft science plan does not include 3BUR, and is there a new similar tag line for the new draft plan?
Dennis Liu:	Bruce recommending more of a peer review process? So the science review committee might have both board and non-board members.
John Hempel:	Would it be an idea to maybe wait to try to convene a Science Advisory Panel until after deregulation happens, since so much hangs on that.