



CHESTNUT CHAT SERIES: Q & A
CHAT #: 34 - Planting American Chestnuts
DATE: Friday, March 18, 2022

Question	Asker	Asker Email	Answer
About 20% of my seeds send a shoot up with no leaves forming?	Paul Anderson		live answered - Tom Saielli
I have four of the GE seeds in the packaging you all sent them in, and they are sitting in my crisper in the fridge (by themselves in the packets). What's the best way to plant these? And how do I keep the squirrels from eating them before they actually grow.	HH		<p>These would be from our breeding program, which Lily is currently describing. The GE seeds are not available yet.</p> <p>You can plant them in pots or wait until spring planting weather for your area and plant directly outside. If you are worried about squirrels you can start them indoors, or fashion some manner of cage with garden wire, or perhaps use a cold frame - just something to keep them from getting at the pots.</p> <p>You can find more info about planting in pots or outside here: https://acf.org/wp-content/uploads/2019/06/Factsheet_HowToGrowChestnuts_2019.pdf</p>
Can you show and describe a "cage" to protect saplings?	Richard Jarvis		live answered
I just logged on, could Tom repeat what he just finished saying?	Phil Hurley		Sorry Phil - not sure quite what we were talking about then. Before we got going we were talking about protecting from squirrels and removing nuts from the seedlings. Did you get a sense of the topic Tom was addressing?
I will be planting the bare root chestnuts obtained thru the ACF program when they arrive on a southern slope on our farm that was clearcut 18 months ago. Planning to protect them with cages right away. Looking for tips!	Stan		I'll go over this in my talk. Hopefully you'll get the answers you're looking for
What causes some new seedlings to only produce small spindly deformed leaves and generally not thrive.	Delp		Could be a couple issues, but sounds like they are too wet. If the soil is rich (e.g. potting soil, etc.) or just getting too much water, it'll cause problems. You might need to back off on watering if that sounds like the issue
If a seedling has been strated in a pot how long does it have to grow in the pot to be able to plant it in the fall	gbfoo		bigger is better. I like them to be at least a foot tall, Sara goes with 2 feet tall. However, the size of the seedling will be based on the size of the container, so if the container is small, the seedlings will only get so big, plant before they get rootbound. I sometimes grow seedlings for a year to get them really big.
Please discuss the application of soild acidifying agents - can this be done at the time of planting ? Must it be done in advance and test correctly first ? After the fact ? Many of the offers for GCO seem to be open land previously used for agriculatural purposes and i suspect will test too neutral because of liming for previous crop production	Evan Fox		<p>Is your soil that basic? Did you get a soil test that indicated acidification needs? If so, what are the extension recommendations? I'd start there, local soil test recommendations and then follow manufacturers guidelines.</p> <p>I have never had to acidify soil, but that doesn't mean it should never be done, but picking a good site with well drained soil probably doesn't need it.</p>



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Can a member in one chapter sell, buy or trade wild type seed to people in other chapters?	Ken		There are no restrictions on sharing wild-type seeds across chapters, it's just up to the individual chapters and what all they have to offer.
Do you recommend any particular brands or kinds of tree tubes?	David Driscoll		I don't have a preferred brand, but I just want them to be short - 14-18 inch tall. I avoid tall tree tubes
how long does it take for a chestnut to winter over in a normal freezer?	Russel Boyer		You mean the refrigerator? (they shouldn't be in the freezer - they'll freeze). They should stratify for 6 weeks minimum. It's likely that they were already stratified by the time they were sent to you, so ready to sow.
Hello! How can we get a copy of the chat? I may have to hop off early but would love to catch up later via the recording!	Diana Manee-Buskirk		hi Diana - We put all of our recordings up on our Chestnut Chat page, and those are linked to our YouTube Channel: https://acf.org/resources/chestnut-chat-series/ https://www.youtube.com/channel/UC-729PqjDaSWNOXY_Ylo7YA/videos
Must you remove the seed for the tree to continue to grow properly?	Padens		No, we only remove the seed to reduce the chance of predation. Squirrels!
Osmocote on our saplings/trees at Crosslands? How much per tree? The Oldest Trees are 8 years old.	Peter Lane		It helps to get a soil test first. As a general rule, you can add a balanced, slow-release. Follow manufacturers directions, they are often different.
Sarah,	Ken		
Sarah, can I get seed for wild type trees in Penn?	Ken		hi Ken - Yes - the PA/NJ Chapter distributes wild-type seeds from American chestnuts every year to members. You can either pick them up in person at the Pa/NJ meeting on 4/2 in Annville, PA. Or send me an email and we'll work on shipping out seeds after that meeting. We just ask that you reimburse shipping and handling costs which is about \$15.
Are these grown from seeds? Will you be covering grafting from say, oak root stocks? How about air layering? Thank you.	Leslie King		Hi Leslie - we're only going to have time today to talk about growing from seed and seed-derived seedlings. We did have a great chestnut chat a while back on grafting that you can find here: https://acf.org/resources/chestnut-chat-series/ - look for Chestnut Chat 6 from May 29, 2020
Will seedlings be available to buy at the PATACF meeting on 4/2?	Peter Lane		Hi Pete - we will have a few large seedlings to auction off and some seeds at the meeting as well.



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Where does the seed originate that is sold by TACF in the wild type program? I was told last year it came from the Maryland chapter and this year some were grown in Georgia and some in Pennsylvania, but they did not know where the seed originated.	Ken		Hi Ken - I think Hoy covered this pretty well in his talk. Many of our chapters send in material to our nursery partners. You are correct - the nurseries are in GA and PA.
What is status of USDA registration of disease tolerant hybrids for cross pollination?	Richard Jarvis		Hi Richard - we don't have any great updates to share right now, unfortunately. We do not anticipate deregulation this year. At the earliest, we expect an answer by late 2023 or sometime in 2024.
Please review the "TACF Germplasm agreement". Highlights would do.	Jon Spangler		live answered
If you are a member in another chapter, Sarah, can you get wild type seed from you?	Ken		Hi Ken - yes. We just ask that you reimburse the cost of shipping and handling. Shoot me an email and tell me what Chapter you're a member of. Thanks!
Does Chapter membership automatically occur when one joins ACF or is that a separate step/membership?	Keith Crownover		Hi Keith - if you live in a state that has a chapter, you are automatically assigned to that state chapter. You can also choose to pick a specific chapter upon membership, or switch your state Chapter membership by calling up the main office in Asheville ; I am in Hollidaysburg PA, very close to Penn State
If the seedlings are shipped in April, how do you hold them for planting later in May?	Marjorie Keith		You can store in the refrigerator until ready to plant
okay	Russel Boyer		
my seedlings came in the post - in a cosy package, I was going to pot them up this weekend. What soil medium should I use and how deep to bury them	Andrew Smith		Medium we typically recommend is 1/3 each peat, perlite and vermiculite, Scott's Moisture Control potting mix, or something that drains well. Plant 1/2"-1" deep, with the point or sprouting radical down or sideways. More info here: https://acf.org/wp-content/uploads/2019/06/Factsheet_HowToGrowChestnuts_2019.pdf
A transplant here from Miami Florida to Waverly Tennessee. I am a 100% neophyte albeit I have been interested in American chestnuts for years but the Miami Florida situation was on the way. Now that we are relocating Chestnuts are a great priority. OK! The plot is 611 acres and we made the command decision to use American chestnuts as the base for our silvopasture operation. Conclusion ? Need lots of information on the subject. Can you trickle some preliminary info. now as well as directions as to where to go to get more resources.	wokfpack1960		We don't know much about silvopasture in chestnut yet but looks like Hoy sent you a good reference. Good luck! And if you try it, let us know how it goes!



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We live in Wisconsin (west of Mississippi river). I see there is not chapter for us, so does that mean we are not a good location to plant them?	Meg Wittenmyer		Chestnuts do very well in WI, but like anywhere, site selection is key.
Awesome presentation, Lily! When you say that the 1/16 trees are maximized for resistance, does that mean that there are molecular genetic markers for resistance that have been identified? Can you cite the paper for me to read?	M L Allen		As far as I know nobody has yet identified any specific molecular genetic markers. We have learned that the genetics are more complicated than we initially expected, and resistance is connected to several genes rather than one. Last I heard, they think it is connected to about 10 or more different genes, but they have not identified which ones. Hopefully we'll have more information in the near future!
My b3f3 seeds arrived early last week and all 4 had about 1 inch brown mushy radicles. I planted them but I am afraid they were DOA. Is this common?	Delp		Hey Steve (I'm guessing you're Steven Delp...?) - no, not normal. Sorry to hear they are brown and mushy. Are they brown and mushy all the way up to the embryo? If so, they are probably DOA. If only part way down, they should be fine. We can replace if they don't come up, but that can take up to 4 weeks. If you can send me a pic of what you're seeing (they'll be fine if you dig them up and replant them), and I'll see if I can get you one or more replacements. ; Will do after the presentation.
I got mine two weeks ago. It was in our house for a week before we read that they should be cold for a period so we put them in refrigeration. Can we plant them now?	Chuck Lidz		Take a look at them. If they seem healthy and maybe have a nice looking radicle (proto-root) you should be fine. If they seem brown, mushy, or necrotic they are probably dead. If unsure, plant them and see what happens. ; ok thanks I see it now
All 58K nuts hand-shucked, I guess? That's about 20K burrs. How long does a pair of gloves last? The germination rate these last several yrs has been great, too, BTW. Thanks for your careful attention to keeping the right humidity & other conditions over the winter.	John Hempel		Hey John - Yup, all hand-shucked! MOre than 20K burs, though, because we don't always get 3 nuts / bur. A really good pair of gloves lasts at least 2 seasons. Bad gloves less than a season :(So happy to hear that your germination rates have improved!!
I live in VT - wondering where that orchard is?	Andrea		Hi Andrea - we have a lot of orchards in VT. The GCO we harvest wild-type seed from is in South Burlington. ; thank you! ; What is it called? and can one visit?
So does Lily or Stephen have information of watering very young seedlings indoors? They rot and wilt easily if you over water. Is there some kind of timing or device that can facilitate proper watering?	Ken		There are a few variables that influence watering schedules: the medium seedlings are growing in being the biggest. You can hand water or used a timed irrigation system, but no matter what it's up to you to monitor regularly. If the soil is light and dry, water more, if heavy and wet, water less. You definitely need to monitor.



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Researchers are finding success controlling other fungal pathogens with endophytic microbes which are antagonistic. Is anybody exploring this approach?	Ronald Meeusen		Several folks are looking into this, there are a few publications. This is the general idea behind mud-packing, microbes in the soil antagonize Cryphonectria. Biofungicides haven't been proven effective to date, but that could easily change with new formulations. We're keeping our eyes open for that.
I have planted my four seeds (C level donation), how much light should be provided once they germinate?	Mary Thayer		as much as possible. If the seedlings seem sturdy, they're getting good light. If they seem tall and lanky, they need more light. Sunlight is best, but supplemental lighting is often warranted. ; Thank you - so a grow light a few inches over the seedling?
Who are the pollinators?	Mary Thayer		Lots of different insects and the wind
For the B3F3 seeds, what do the numbers/letters on the packet mean?	Mary Thayer		It is the tree code. It tells us which tree, from which plot, in which orchard the seeds came from ; thank you
What do the production nurseries do vs. predation of the nuts they plant?	John Hempel		They do often get some predation, but they plant so many it works out. Also, big open fields are less appealing to squirrels, etc.
Does anyone have a picture of a burr? I think I see them in my area. I just joined TACF and don't know much yet	Charles Libby		Hi Charles - they kind of look like a green sea urchin, but you can see some pictures on our PR resources page: https://acf.org/resources/pr-resources/
How do the 2 nurseies keep root rot out of the seedlings	Roger Willby		Sometimes root rot pops up, but we test the soils to make sure it's not there before we plant.
How do you keep chipmunks from your potted American chestnut plants? I pull the nuts off before I put them out, but chipmunks will just run along a row and lop the seedlings right off at the base for the fun of it. They will wipe out an entire row overnight.	Ken		Yeah, they are really tenacious. You can buils a very solid cage with chicken wire, but you can't leave any openings, or they'll get in. Good luck.
Sources for tree tubes ?	Mike Harrigan		Hi Mike -many! Treeshentials, TreeSentry, TreePro, Plantra, Tubex, BlueX all have tree shelters for purchase. We recommend short tree shelters to protect the trees at the base surrounded by a cage to protect from deer.
Should we plant them as a group or spread out over our entire acerage?	John Moore		Hi John -- totally up to you! Kind of depends on what you want to achieve with your planting and what's going to be easier for you to maintain the trees. Effective pollintination distance is about 1/4 mile, so get them at least that close together to get chestnut production.
if you want to start seedlings in containers and plant in the fall, what size pots would be recomended?	barry		Hi Barry - At a minimum, I recommend a 12" tall container. We use 40 in^3 containers for one season planting. The bigger your pot, the bigger the resulting seedling you'll grow. Our biggest and best seedlings are typically grown in 1-2 gallon pots. for chestnuts, you want a deep pot. As I said, a minimum of 12", but I prefer 14" - 16" or taller.



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For harvesting and bundling the bare-root seedlings, I presume there's a temperature window they have to work in? Or is their being dormant more or less all that's necessary?	John Hempel		Ground can't be frozen or very muddy, so they usually wait till early spring when we get a dry-ish spell (like right now)
Instead of cold storage, how about potting up the seedlings if you can't get them in the ground right away?	Annie Ament		Your seeds were probably already cold stratified, so you can pot right away. Some folks plant seeds outside in the fall and let them ; I'm sorry, I meant sapling (I bought trees, not seeds) not seedlings.
I received 5 hybrid nuts over 10 years ago. 3 are still alive. I signed a germ plasm agreement but haven't been contacted for feedback in a number of years. Am I supposed to be reporting? GPS 42.634, -78.886. alsmith59@juno.com	Alan		Hi Alan, I am so happy to hear that 3 are still doing well. We used to send out report cards ages ago but, due to cost and staff time, now it is an informal share. We welcome any information you'd like to send our way and we will add it to your record. Please email Membership Manager Judy Antaramian at judy.antaramian@acf.org .
Do Chestnut Oaks nearby increase the threat of blight? Chinkapin?	Dan Williams		No, chestnut blight is already everywhere. Chestnut oaks tell you that you're in a good environment for chestnuts - they are co-occurring species.
My company Naturally Durable Inc is interested in buying chestnut wood from trees that have been thinned or died from any cause. paulfuge@certifiedwood.com	Paul Fuge		
Isn't it possible that unknown epigenetic factors can be triggered in germstock planted in "hostile" planting environments - so they should be tested in LOTs of places even outside of the native range? Just a thought...	M L Allen		It's perhaps inadvertent that we do plant in so many environments, including poor ones, but we do. The consensus is that poor sites make poor trees that suffer worse from blight. Good blight resistance correlates with good genes and a good environment
Anyone have experience with chestnuts near black walnut trees? I assume avoid planting near black walnut. Or do you know if chestnut not affected?	emily burke		Hi Emily - we have an orchard in NH with a big, beautiful walnut in the planting area. We avoided planting within the drip line, to avoid juglone, and shade. The chestnuts are doing well, no noticeable growth pattern for the trees closest to the walnut. But again, we gave the walnut some space. I honestly don't know if chestnut is impacted by juglone, but I'd recommend giving them a little space. ; juglone mostly affects Solanacea and Ericacea. (Blueberry and Azalea)
When planting wild-type chestnuts, should you spray for phytophthora? William McCoy	William McCoy		Hi William - you can either test for phytophthora by sending in a soil sample for testing, or you can plant and see if they die. (!!) Phytophthora isn't everywhere, even in the south. We don't recommend spraying or treating unless you know Pc is there.
Are these backcrossed trees have progressed where they are now fully blight resistance	James Bishop		Hi James - we do not see "full" blight-resistance in our backcross hybrids. At this time, we only see intermediate blight-resistance, about the equivalent of that seen in an F1 hybrids. so, about 1/2 the resistance seen in Chinese chestnuts. We are working to improve that, but it will take additional time to see that improvement.



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Can you significantly prolong wild chestnut life or vigor by applying fungicides? soil drench or spray (assuming not too many)	Dan Williams		live answered
I read Bernd Heinrich's column ("Naturalist at Large") in the February issue of Natural History. While talking about bluejays spreading seeds, he happens to mention his stand (in Vermont) of <i>Castanea dentata</i> : "My original plantings and their offspring have now become a keystone species in my immediate forest..." He doesn't comment further, but it surprised me, as it seems unlikely that the original seeds would have been blight-resistant. I'm wondering whether anyone in TACF knows about his trees.	Charles Eubanks		Hi Charles - yes, we are familiar with his trees and know his work. His trees are not resistant, though he thinks they are. We have tried to convince him that the trees still need time before they get infected. Eventually, the blight will get there and the trees will succumb. :(
how many parents trees were used to established the Zoar orchard?	Richard		Hi Richard - almost 25 all-in-all!! Most from across the state of NY but some from PA and WI.
Tom, any companion species to look for to indicate a good site?	brian		Hi Brian - blueberries, white pine, mt laurel, rhododendron are good companions. These indicate that the soil is loose and acidic. Chestnuts will grow in other locations, but those are generally the most obvious companion spp.
Can you use a mulch around the seedlings to help reduce the grass invading?	Melodee James		Hi Melodee - you can use mulch, the risk is that rodents will find it a cozy place to get settled. If voles in particular aren't an issue mulch or other weed barriers can work well. The main thing is to maintain a vegetation-free zone. You can accomplish this with herbicide, or a barrier like landscape fabric, mulch, or even mulch over landscape fabric. Whatever fits best for your growing preferences, and the factors you are dealing with.
Thank you.	Ronald Meeusen		
Has anyone noted interactions between chestnut plantings and fire ant infestations (fire ants prefer disturbed soil)	M L Allen		Sara answered this live...not an interaction we hope to discover!
are the seeds or seedlings being mycorrhizally inoculated before distribution? if not, why not?	Dan Lefever		Hi Dan - no, we do not inoculate with mycorrhizae before distribution. It's not necessary, but those planting are welcome to inoculate upon planting. Mycorrhizae can increase survival and growth, but chestnut trees can also do just fine without mycorrhizal inoculation. Studies show that mycorrhizae usually come in about 3 years post planting
how long before a seed with a small root should sprout?	cheryl evry		Hi Cheryl - it depends on the temperature and moisture in your pot or planting location, but usually about 2-4 weeks. ; Thanks Sara! It's hard to wait, but I can do that!



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How can you determine before planting that the soil doesn't contain the root rot fungus?	Roger Willby		Hi Roger - One can send soil in for testing, but another good way is to plant and see if the tree die or not - unfortunately that's actually the best way to determine whether Phytophthora cinnamomi is at a given planting location or not. Catch the seedling while it's wilting/dying (not totally dead) then send to your local university's plant pathology program for identification of the pathogen.
How soon after receiving seeds do they need to be planted?	becky carter (she/her)		Keep the seeds in the refrigerator until ready to plant. we recommend planting by mid-May but they can last until June or even early July. the sooner they get planted the better.
How about using soil meant for succulents?	cheryl evry		Maybe but i suspect that will not hold enough moisture.
Does adding mycorrhizal fungi help when starting seedlings or planting seedlings? William McCoy	William McCoy		Yes, it can help. It's not necessary but it can improve growth and survival.
I've started all of the seedlings in my GCO in Rootmaker root pruning pots or grow bags which encourage root pruning and a more fibrous root structure. The pots depths range from 5" to 10". Do trees started in deeper pots such as Treepots do better starting off with a longer taproot as opposed to the more fibrous roots?	dave kniss		Hi Dave - yes, typically the Treepots with a longer taproot do better than the fibrous systems, but both can be successful in different situations.
What is the dividing line between North and South for planting purposes of seedlings? I am just north of Baltimore in MD.	robertaficke		Generally it's the Mason-Dixon. In Baltimore, you'll definitely be more "south" than north.
What is the recommended Spacing for planting seedlings? William McCoy	William McCoy		Hi William - this can vary, depending on your goals and what kind of seedlings you are planting. The minimum we recommend is 8' x 8', but wider spacing - 10' x 10' or even 20' x 20' can work well too. We usually recommend thinking about how big the trees will get and also what kind of equipment you want to get in between the trees.
Is there any activity or interest current in the native range fringe on the N coast of Lake Erie?	John Hempel		live answered
I am in Mass. and am planting the B3F3 seeds now in containers inside. If I am supposed to plant them in the spring, should I grow them in a container, bringing them outside in a few months and then back inside over the winter and plant outside next spring? Or is it okay to plant in the fall if the seedling is a good size?	Mary Thayer		Hi Mary - you can start the seeds inside and harden them off later in the spring and plant outside in a few months. Because they will have tender leaves you'll just want to wait until you are past the risk of frost. You can also certainly keep them in the container until the fall and plant then. Over-wintering is tough for many so I generally recommend you plant them in the fall rather than try to over-winter.
At what height does the threat of deer end?	Keith Crownover		Well, deer can always rub their antlers on trees..... So even tall trees can get deer damage. But usually by the time they are 10' tall or so they can withstand most of the munching deer do.



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I now have barbed wire around my tree cages.	John Hempel		
If the tree tube is 2 to 3 feet in the ground around the seedling, won't that impede the chestnut's roots?	Mary Thayer		you only want to sink the tube shelter 2-3" in the ground, which should not get in the way of the roots but help keep the voles out. Not perfect, but it's worth a try.
When do you install the tree tube for a bare root planting? I assume the seedling needs to be like a foot tall before installing the tree tube.	Debra Daugherty		live answered
Thank you - will do. I have 47 acres that I will spread around but keep 1/4 mile - thanks. I am about onoe hour from PSU - stop down if you want!	John Moore		Looks like Hoy is answering your follow-up question.
How to keep Japanese Stilt Grass away from seedlings?	Mike Harrigan		I use Grass Out Herbicide which works well to kill stiltgrass. Use it well before it goes to seed to prevent future generations. BEst when stiltgrass is young and may need to retreat during the summer as more germinates later. It does not affect broadleaf plants. pull before seed set in August. flame weed in spring
Are mycorrhizae suppliments needed when pottng plants. KOS	ke nneth		live answered
Thanks for that. Just don't want a swarm of lawyers raiding my land in the future!	Jon Spangler		Lol - totally understand - we don't want that either! May your plantings be free of deer, squirrels, other varmints, and uninvited lawyers ;)
to avoid using glyphosate witch chelates micronutrients and makes them unavailable for the plant and it's immune system can't work; can I use 20% vinegar herbicide instead? It should be okay because Chestnuts like acidic soil?	Dan Lefever		live answered
Any benefit to fertilize seedlings with Corn Gluten or Milorganite fertilizer?	Mike Harrigan		live answered ; corn gluten will act as an herbicide for pre-emergent seeds and is a 10% slow-release nitrogen source. Milorganite is composted sewage sludge and as of now probably and not very a clean source of organic matter and some NPK and micros
What is known about the relationship of specific genes and blight resistance? How soon will ACF likely get into gene editing with crisper?	Keith Bibbee		live answered
What fungicides are you looking at ?	John Moore		live answered
Hi, Should I contact Penn State or the NY or NJ chapter re: seedlings? Live in zone 7a south Hudson valley NY with a great sunny green corridor behind my home. Thanks. Best, Luz	Anonymous Attendee		live answered



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Any information on the use of chestnuts in silvopature.	wokfpack1960		Chestnuts are being employed in silvopasture applications, however I believe these are in the early stages. You can also check with the Savannah Institute for more specifics.
Tom can you finish your comment?	Andrew Smith		live answered
I unfortunately only heard the beginning today. Is this session available for future viewing?	Robert Dashevsky		live answered
from chuck	Andrew Smith		
Thank you!	Robert Dashevsky		Thanks for joingin us!
Milorganite is one of the oldest branded fertilizers on the market. It's composed of heat-dried microbes that have digested the organic matter in wastewater. Milorganite is manufactured by the Milwaukee Metropolitan Sewerage District. The District captures wastewater from the metropolitan Milwaukee area, including local industries such as MolsonCoors. Using large-scale processes that mimic nature, microbes digest the nutrients found in the water. The cleaned water is returned to Lake Michigan while the microbes are kiln-dried into small pellets. So Milorganite is actually a bag of dried microbes	Mike Harrigan		Milorganite is one of the oldest branded fertilizers on the market. It's composed of heat-dried microbes that have digested the organic matter in wastewater. Milorganite is manufactured by the Milwaukee Metropolitan Sewerage District. The District captures wastewater from the metropolitan Milwaukee area, including local industries such as MolsonCoors. Using large-scale processes that mimic nature, microbes digest the nutrients found in the water. The cleaned water is returned to Lake Michigan while the microbes are kiln-dried into small pellets. So Milorganite is actually a bag of dried microbes Thanks for the follow-up information! We all learned something new!
Sara, your May 2021 site analysis was thorough enough that I assume it is required before a substantial investment (in time and effort) were to be put in at a site. I recall a lot of it was elevation above wet zones...	"John Harrington, R.A. "		live answered
We are reforesting our area that was clearcut, to promote the good hardwoods as well as chestnuts. Is it a bad idea to use chestnuts seedlings from different sources, or a good idea?	Stan		We are reforesting our area that was clearcut, to promote the good hardwoods as well as chestnuts. Is it a bad idea to use chestnuts seedlings from different sources, or a good idea?



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<p>FWIW, when I first get my nuts, since I'm never ready to pot them, they go into moist potting media spread out on one of those plastic clamshell containers like pastries some in. This way, the radicles get an immediate boost from a more moist medium than what they come shipped in, and also helps to identify likely duds.</p> <p>And then in lieu of those long skinny planting pots, my new favorite containers for planting seeds are those rectangular buckets that kitty litter comes in. Drill a few holes in the bottom, and partition the bucket ideally with pieces of corrugated plastic or waxed corrugated cardboard.</p>	John Hempel		<p>FWIW, when I first get my nuts, since I'm never ready to pot them, they go into moist potting media spread out on one of those plastic clamshell containers like pastries some in. This way, the radicles get an immediate boost from a more moist medium than what they come shipped in, and also helps to identify likely duds.</p> <p>And then in lieu of those long skinny planting pots, my new favorite containers for planting seeds are those rectangular buckets that kitty litter comes in. Drill a few holes in the bottom, and partition the bucket ideally with pieces of corrugated plastic or waxed corrugated cardboard.</p>
<p>Corn gluten meal is a powdery byproduct of the corn milling process. Originally used as a supplement in hog feed, corn gluten has become a common organic alternative to synthetic chemical herbicides. It can be effective as a pre-emergent herbicide used to control crabgrass and other lawn weeds, and it also has nutritional properties.¹</p> <p>Corn gluten meal is about 10 percent nitrogen by weight,</p>	Mike Harrigan		<p>Corn gluten meal is a powdery byproduct of the corn milling process. Originally used as a supplement in hog feed, corn gluten has become a common organic alternative to synthetic chemical herbicides. It can be effective as a pre-emergent herbicide used to control crabgrass and other lawn weeds, and it also has nutritional properties.¹</p> <p>Corn gluten meal is about 10 percent nitrogen by weight,</p>
I found it was fine	Andrew Smith		live answered