EASTON, MD. Expert Hemming 3/6/30 - 25 #70314 C. moll. Crandell estimates about one dozen larger producing trees - putofly from arlington Farin. 3/13/36 /11/ Chinese Chestnuts we got from you in1930 are living, and are 9' high, 9' spread and around 4" in caliper. Free of disea 11/30/39 Ernech Hemming writes in ames. Mursery, 70:11. Nov. 15, 50 1939. No. 10, about these trees and c. mollies in general. 1939 Reeds ratings on some of the 70314 strain: # 2 cleans yelendid, quite sweet, large, A-# 3 large, cleans very west, quite sweet Acleans very well, very sweet A large, cleans pooly to medium, gente devot A-#16 large, cleans very well, mild A-(over)

Rud's rating, contid. \$15 (703/4) 1941: variety size some too small attractive, chans well, very sweet, not best, B. was also given B in 1940; B+ in 1939, Town: Easton, Md.

Owner: Eastern Shore Nurseries, IncPI No.

Address:

Caretaker:

Address:

Caretaker:

Address:

Caretaker:

Address:

Caretaker:

Age: Ht.: DBH: Nuts: Quan.: Size: Qual.: C. B. present: Location: Age of cankers: Description:

Other pathological symptoms:

Average twig growth preceding year: this year:
Site and growing conditions poor fair good
REMARKS

8/26/31 - "The Chinese chestnuts that you sent us went through the drouth and like a number of their kind, I gave up all hope of their surviving - our water gave out and how they pulled through, I do not know, but this year they made a wonderful growth, some 18" to 2', so that dweyhave about 20 very promising threes -- in nursery rows."

(On reverse side sketch location of trees and number each 1,2,3 etc.)

2 3 4 5 6 7 9 9 10 11 12 13 14 13: had not be 016 had 016 016 mac 016 mad 16 17 18 19 20 21 22 Man man Read spring 1939

Block 2 from World & South

not EASTON, MARYLAND Ernest Hemming Eastern Shore Nurseries Inc. 4/1/36 5 MX C. mollissima 5 MY " " 5 MAA" 5 MAB" 5 MAC" 5 MAF" 1/26/39-19 now living; drought killed others.
This letter gives tigeld for each tree,
1/273 lbs., practically all of which was
planted. This letter gives detailed report. #8 mmy, +17, 25, from East in. Easton, md. Eastern Share nurseries, fue. 12/1/39 - May. crop +3#, min 10/2#, 500# or more total. Entire crop planted. Only 18 muts apparently had warvils, a 2-yr-old. seedling bore 2 burns but no Easton, md. Eastern share nurseries, Inc. C. mol hybrid C Korainsis 4/5/39-5 FP-631 PP-679 MBH MBE 5 C. mollissima MBF 15 MBG Graftad chestrut (785-660374 71-912 A

1 234 56789 10 11 12 MBamp= MBEMBE MBS MBS FP9129. & cd.e North to South Block & Ernest Hemming Bastern Shore Wurseries, Inc. Seed, mimeo. sent '44

Easton, Md.

In spring of 1939 Hr. Reed sent some of our large plants to the Eastern Shore Nurseries. They were planted out in Block 2 and are in 2 rows. The following numbers as given read from N to S. The numbered trees not lettered have lost their labels and Mr. H. does not know what they are. 2 trees, #4 and \$16, are missing. All 22 trees were quite large when transplanted this spring and

1, 2 3 4 5 6, 7 8 9, 10 11, 12 13, 14 15 MAC MAC mis.016 MAC 016 016 MAC 016 MAC

16 17, 18, 19 20, 21, 22 miss. MAC

have not made good growth.

See letter 9/18/42 in file with ca Reed report on true.

10/2/43 - received nuts + turned over to Dillerings (ons)
11/12/43 - about 25 trees, all that were livings (ons)
destroyed "about 3 who ago" because

hybridige with the 19 larger trees he has all seemed to be Japs, the nuts of which not at all good.

See: Hemming, E. Sam. Chinese chestnuts in Maryland. 35th Annual Report, Northern Nut Growers Assoc. Inc. Pp. 32-35. 1944

## CHINESE CHESTNUT by Ernest Hemming

Copied from the American Nurseryman, Nov. 1, 1942, p.18.

The most interesting item on the nursery in early October is the Chinese chestmit, Castanea mollissima. The muts began to fall about September 16 and were all down by October 15. There is fully two weeks' difference in the time of ripening between one tree and another. The trees in question were received from the United States Department of Agriculture in 1929, being 2 years old at the time, and have been mentioned before in these columns. To date they have shown no tendency to the blight which destroyed the American chestnut. In this locality one of the most outstanding qualities is its free growth. It is not at all uncommon to get a growth of from six to eight feet in 2 and 3-year-old seedlings and from four to five feet of annual growth on the transplanted trees. The more mature trees bear an annual growth equal to any of our fast-growing shade trees. it is somewhat of an anomaly for such a fast-growing tree to fruit so readily. It is not uncommon for the 2 and 3-year seedlings to have an occasionally well filled bur, and on the transplants it is quite common; perhaps the reason is they fruit on the current year's wood.

As the nuts begin to ripen in September, there will be no competition with imported stock even in normal times, and under war conditions it looks as if turkey stuffed with chestnuts will be a rare dish.

No nurseryman or fruit grower would even dream of planting an orchard of seedling peach, apple, pecan, walnut or any other nut or fruit tree, yet from personal observation of our nineteen original seedling trees, while there is a slight variation of habit of tree, size of mut, sweetness of nut and time of ripening, the variation is not enough to warrant propagation by budding or grafting, and what is more, this uniformity is carried over in the third and fourth generation.

Several pounds of muts gathered from the 3 and 4-year-old trees, two or three nuts from a tree, were uniform and of high grade. Of course, when and if the Chinese chestnut becomes well established in the country, it will be time enough to begin to select the best types for vegetative propagation. Up to the present, from observation, there is no hybrid of outstanding quality that would warrant the added cost of grafting or budding when seedling trees produce nuts of such uniform quality.

The most threatening menace to the successful growing of the Chinese chesthut, according to the U.S.D.A. is the weevil. Clean culture is, of course, the remedy, to see that no nuts are left lying on the ground to carry the past over from year to year. Of course, other troubles will develop, but what plant is free?

Just as a guess, without knowing much about it, it does seem as if the chicken business would be a good tie-up with chestmut growing. Planted in the chicken runs, the trees would give the necessary shade, and the chickens would take care of the weevils. If course, it would be inadvisable to plant extensively in localities where there were neglected chestnut trees infested 14,22,425 weevil.

Eastern Share nursery 9/12/44 letter of Ca Reed to A.L. Crane: "cheshwet crop again good with exception of trees 5 and 6, neither of which will have many nuts. Tree 17 fellover about a mouth ago. Its trusk has borne evidence for several years suggestion of for For lath to examine It was the tree from which serve trees were grown by layering while it was young. Mr. Humming has an idea that the operation caused an injury from which recovery was never complete. The heart was very notten as the decay had been taking place for some time. There was an amazingly small partion of live word at the

the crop from the young trees east of the house will be around a thousand founds. There are very few treesover there that are now not too large to trans. plant, evan by balling. They make it a rule to ball all trees that are as much as 6ft in height. Nothout balls the mortality stoo great, dur to dry. ing out during summer. If the Hunimings have a fine lot of 1-yr. seldlings; also 2 and 3-yr-olds. They make it a practice always to plant in the fall. I wing to the early drought of last spring it was necessary to haul water to the trees. a flood in august so wet the ground that it has not dried dut badly since."

W-1951 EASTON, MARYLAND EASTERN SHORES NURSERY Ernest Hemming 10/18/46--Mr. H. F. Stoke, Roanoke, Virginia, has a number of scions from the Hemming trees, and he finds that #16 has been very susceptible to decay. This may be due partly to an insect that works in at the base of the nut. -- G.F. Gravatt 3/9/47 - Scious of his # 20 + 21 sent; #20 has
the mash marked upright growth.
10/13/47 a few bos. from his "small upright the" #/4; too gran to rate, cremater color, 69 p.p. Caston Maryland, Kenning 7/1/47. - The 18 large trees are going to have a full crap. The heer seem to have mute an top buch now below the frash damage 3/20/47 Frank damage on the battan 5 or 6 feel of the true 10/21/47 - # 14 did not have over 20 lbs af nuts # 1 bow heavy but the nuts have had a off year after baring 52 lbs last year. This enformation is not of much value because of the fiast There are quite a few Thees will the windled

shell characteristic leke ## 16 9/23/49 a man by the name of Laughlin bought Land' End faim. The 1947 crap of the Easter Maryland Hersenes #11-6/3 #1-78 Orchard 223 & lbr #2-58 # 12 - 645 # 13 - 56 # 14, - 475 # 13 - 74 #3 -314 #4-75 # 16 - 60 #6-31 #7-34 #18-106 #8-315 #19-25-# 9 - 63 410-403 9383

Caston Haryland

Hemming

10/9/47 - They law noticed but one
weenil so far. The trees were
sprayed 3 times & PDT dust was
sprendled on the ground. The archaed
was sprayed acence for Jop beetle
a ocence for weentle & there is
probably a 10% infestation The
nuts are of a real pretty color.

See attached showing 1948 chestus crops
"""
1949

#### CHESTNUT

HEMMING, E. SAM. Try the Chinese chestnut. Horticulture 26 (5): 186. May 1948.

"These 18 Chinese chestnut trees bore in 1946 an average of 63 pounds of nuts per tree. If these trees had been spaced 30 feet apart, they would have borne at the rate of 3150 pounds of nuts per acre. The best tree bore 124 pounds or if similarly planted, at the rate of 6200 pounds per acre. The trees bore an average of 50 pounds per tree in 1947 and the average per tree over the past seven years has been 39 pounds."

Importations of Italian chestnuts listed at 50 million pounds, which is too high.

Mr. Hemming recommends growing chestnut where corn crops are successful. I note that he recommends against the deep South, on account of molds on the nuts. He is probably referring to the general spoilage from unknown causes. -- GFG, 5/19/48.

ERNEST HEMMING
E. SAM HEMMING
ROBERT S. JOHNSTON

# Eastern Shore Nurseries, Inc.

PHONE

Dover Road

Easton, Maryland

#### CHINESE CHESTNUT CROP \* 1948

Tree No. 1				32			
2				9월			
3		Date and date		21/2			
4				49			
5				21			
6				14½			
7				22			
8				13			
9				6			
10			^	15			
11			M	26			
12				44			
13				4			
14				20			
15				32			
16		een 000 000		48			
18				62			
19		erro dese rest		68			
				488	lbs.		
Orc	chard			589	lbs.		

### EASTERN SHORE NURSERIES, INC. Dover Road Easton, Maryland

January 23, 1951

Mr. Bernard F. Synovec Scientific Aid Bureau of Plant Industry U. S. D. A. Beltsville, Maryland

Dear Sir:

We received your letter asking for information on the 18 Chinese chestnut trees that we have near our office. In 1949 they bore as follows:

No.	1	 32	lbs.	No.	10		Not weighed
11							28 lbs.
11	3	 74	lbs.				56 lbs.
n	4	 112	lbs.	No.	13	00000	58 lbs.
				No.	14		29 lbs.
11			weighed	No.	15		55 lbs.
11				No.	16		77 lbs.
11				No.	18		56 lbs.
11 9		 49	lbs.	No.	19		29 lbs.

We didn't weigh the crop on Nos. 6 and 10 as we were not interrested in planting these two. In 1950 se did not weigh the crop individually. The trees are so close together that it is hard to tell from which three they fall, but if you would like us to continue weighing them we will do so. The total crop from the trees this year amounted to 1051 lbs.

With kind regards to Dr. Gravatt and yourself, we are,

Very truly yours,

/s/ E. Sam Hemming Eastern Shore Nurseries, Inc.

ESH: jg

Easton, Md. Charles Todd.

12/./39 - Letter from E. S. Herning: Itas
some mattere Jap trees on place
which he bought 2 years ago, at
which time nuts full of wrivils,
but this year nearly all good.
Me anwhile lawn established
and ground thus cleaned of
chestinits & burro.

EASTON, MD.

L. EMORY LEDNUM

1940 -- 1 S-8 hybrid given him by J. Russell Smith

Seed mimeo. sent 144 Castanea mollissima Eccleston, Md. ( 5 plts. 739721 - 4-19-15 Jaron Fisher (3 reported alive in 1928 - 16 to 19 ft. seconds much 2 gts 7. P. 86 huts recured 19281 10/30/30 Sent 3 muts, very small shard. 8/31/35- nuts requested oct. 1935 / pt. nuts medium sign. Some to grandware, tolonie storage. FP. 647. Red; too small cleans fair, medium sweet B. 10/3/35 Only 201 the 3 trees bor this year, not out of hospital in time to gather many of Them. Plants some muts last year + gat 30 plants. Chestnut Castanea mollissima-Chinquapin Scientific Name Common Name A prompt reply to the following questions regarding the abovenamed tree will be thankfully received: Number of trees sent.....Date sent....4-19-15..... Number of trees alive. 3. Height of trees 16 to 19 ht

452 4427

Have trees fruited? .... Size and quality of nuts quality agree to Approximate location of trees on your place about 300ff. my develling house; about oo' for my comes house Kindly use inclosed envelope. Knowles Ryerson, Horticulturist in Charge. anon tible Date . 5-21-28 Jamon Fisher Eccleston, Md. Experimenter Address

9/28/30 - sent in write-23 7- P86.

Mr. Jamon Fisher, Decleston, Maryland.

A STATE OF THE PARTY OF THE PAR

empore of the angle to the state of the stat

And the state of t

the state of the s

and the state of t

Edgewater, Mary land

Beed mimeo. sent 144

Mr. Peter Bisset c/O Mr. Paul T. Culbertson Darnestown, Maryland

Mỹ. Bisset thinks that the 8 trees supplied him from 1914 to 1916 are all planted on his place at Edgewater, Maryland, Rt. 1. He has about an acre there on the water. State Road #253 leading off State Road #2 from Annapolis, south, you follow the road past the turn-aff at the YMCA Camp Letts, pass Selby-Beach, turn-off, and keep on until you come to a little red brick school house; there you turn off the main Beverly Beach road on to the road to Riverlea; then you follow this down to the water. Mr. Bisset has an acre there. 4 trees are living, 10-15 feet tall. He does not know which ones are which. - 9/14/44.976.

10/18/46—Has one large Chinese chestnut tree nearly 1/2 mile from six other large trees. This single tree only produces a few single nuts. A majority of the burs are empty.

-- G.F. Gravatt

Seed mimeo. sent '44

Darrestour, md.

P. Bisset, To Paul J. Culbertam, 3501 Lowell St. Darnestown, Md.

Castanea mullisime

2 pls. 3/12/14

12/2/35 2 MO C. mollinina

(Mr. Wood of Inspection House said Binet's former place was on Hunt ave., 1st house west of wiscours are was chery chase Club, but more place was told. More seementy - since retirement? has been living with his son in -law Paul 7. Cultertam of the flate Dept. Cultertam's home is near Darnestown, Mod., swhich of Wash D.C. 3/2/44 RBC.)

WASHINGTON, D. C.

Peter Bisset, 3301 Lawell St., N.W. Seedling chestnuts

36666/ 2 pls. 2/3/15

Peter Bisset

3301 Lowell St.

WASHINGTON, D. C. Gastanea pumila x crenata 0. ?!

41357 V 1 pl. 1/20/16

P. Bisset

WASHINGTON, D. C.

3301 Lowell St.

Castanea pumila x crenata O.P.

41358

1 pl. 1/20/16

WASHINGTON, D. C.

P. Bisset 3301 Lowell St.

Castanea pumila x crenata 0.P.

41359 V 1 pl. 1/20/16

Castanea pumila x crenata O.R.

P. Bisset

41360 1.pH:ssl/20/16

Elkton, Md.

m. V. Reynolds.

R7D#1 W.1951 1948 - Typewritten record of trees, prepared by J. W. Niller, attached

	- 1		CHE	STRUT PL	ANTING O	F H. V.	REYNOLDS	, R.F.D.	1, ELKTO	DR, MD.		ATTE	194	8
	Row #1	Row #2.	How #3	Row #4	Row #5	Res #6	Row #7	Row #8	Row #9	Row #10 Ro	w #11 Ro	a filz i	Row #13	
	Tree	62 61	63	124 123	125	154						En Es		
	3	60	65 66	122	126	153		Section of the sectio		The second of the second of the second				
	5	58	67	120	127	152								
	5 6 7 8	59 58 57 56 55	68 69 70	118	128	151								
	9	54 53	71 72	116 115	129	150								
	10	52 51	73 74	114	130	149								-
1	12	50	75 76	112	131	148								
REST	14	48 47	77 78	110	132	148					2.02	196	197	85
1	16 17 18	46 45	79	108	133	146	155	168	169	182	183	1,0		- EAST
	19 20	44 43	81 82	106 105	134	145	156	167	170	181	184	195	198	•
	21 22	42	83 84	104	135	144	157	166	171	180	185	194	199	
	23 24	40 39 38	85 36	102	136	143	158	165	172	179	186	193	200	
	25 26	38 37 36	87 88	100	137	142	159	164	173	178	187	192	201	
	27 28	35	89 90	98 96	138	141	160	163	174	177	188	191	202	
	29 30	34 33	91 92	96a 95	139	140	161	162	175	176	189	190	203	

\_\_ SOUTH --

Prepared by
J. 10:11er

4 4 3 5 5 ELKTON, MARYLAND M. V. Reynolds Seed mimeo. sent '44 Romney Royal Farm R.F.D.#1 4/21/36 25 MM Castanea mollissima 9/28/41 - gathered crap this year from early trees 3/14/43 wants 200 mmetus for planting races - 30 per and. . 3/14. 1933 Shipment Castanea mollissima M. V. Rey nolds Romney Royal Farm R. F.D # 1 25 MI 15 MJ 10 m F 3/25/33. "I have one tree pet bare about a dozen of as fine chestudes as I have ever seen both for size and 2/22/33 "Some of the first trees of planted bore some of the nicest mits I have ever seen bey certainly were fine". 4/3/36 Hour not done so well. CASTANEA NIOL 1998 Town: Eleton, med Owner: Van Reynolds FPI No. 70315 or Origin:
Address: Ronney Royal Farm Number of trees: 125 (1925)
Caretaker: Caretaker: If several trees, make separate Address: cards for each, using this outline. Age: Ht.: DBH: Nuts: Quan .: Size: Qual.: C. B. present: Location: Age of cankers: Description: Other pathological symptoms: Average twig growth preceding year: this year: Site and growing conditions poor fair good 2/20/31 - advises 3 trees have dies, but dorent say 4/3/36- which shipment...
Camery from not + are doing weldto (On reverse side sketch location of trees and number each 1,2,3 etc.)

ELKTON, MD. 25 #65861 Co. mol. - 1/13/28 Van Reynolds Oct. 22, 1933 go west on main It. beyond traffic light. Turn left on landing Lave for about 1/2 mile. Turn right on dirt road, follow straight thru for about 4 miles. Van Reynolds house and barns are on left side froud, Reach orshard on right. His plantings have been heavily affected by drouth and writer billing. See data sheet and chart attached. Trees and fine up to about 1932, many bearing Very little CB with plot. He said the ground has gotten very hand pocket het otherwise moist andare growing fine. RBC.
Reyweds is going to clean out dead wood and reduce sprouts
8 131 135 - nuts requested XMX. Md. Van Reynolds Elkton Route 1 61834 C. mollissima 1/20/27 1931-all living per Mr Jowler - 15 trees set out in 1928, about 3 ft. high 1/25/39 - Planted on poor soil; two bad winters & took 2 yes to recover; one has produced excellent nots 10/19/39 Resid. 50 lbs mollies. unto from the older trees; weenled, treated by Lusp. House. . also a few muts from Ine # 33 Row 2, to Read's 50 p.p. Circl Castanea mollissima Chestnut Scientific Name Common Name A prompt reply to the following questions regarding the tree above named will be thankfully received:

50 frees set in 1927 - all luring free Mumber of trees alive. ... ... Height of trees about 3 free. Approximate Iccation of trees on your place on last Side

Kindly use inclosed envelope.

Knowles Ryerson, Horticulturist in Charge.

Date. 5-16-28 Sign here.... Van Reynolds

Elkton, Md.

3/17/36 10 ME Castanea mollissima  / 9 MF " "  / 6 MM " "
3/1/39-Detailed report of directions for finding trees in 1939 file
3/22/39-10 FP-917 5 RG-1 20 FP-742 C. mol. hybrids
2/25/47-90% of all the trees living a some bearing
Elkton, Md.  1931 Shipment  Castanea mollissima  Quan.  No.  2165 main St  2165 main St
Remarks: 8/15/31. See file for directions for locating trees  South from Elliton on 213 to  Colors Botherina river Bridge  turn short to it to he went turns  to right right in to farmahouse;  On hy house down by cobin and true.
Owner: Standley Evans Address: Office 20 Waridge St.  Caretaker: Pending 2162. main.  Address: Les Cards for each, using this outline cards for each, using this outline cards.  Age: Ht.: DBH: Nuts: Quan.: Size: Qual.:  C. B. present: Location: Age of cankers:  Description:
Other pathological symptoms:  Average twig growth preceding year:  Site and growing conditions poor fair good  3/23/3/- Says all /the REMARKS  trees are living:

ELKTON, MD.

Weevil Memo Sent 1948 - 1951

Standley Evans

Noted by: Date (On reverse side sketch location of trees and number each 1,2,3 etc.)

Elkton Md. Standley Evans
216 E. main St.
12 SPI 61834 C. mollissima 1/28/27

Oct. 22, 19 33. Desires 25 more trues of mixed varieties Chinese. He has 2 odacres on Bohemia River 15 miles south their Chesapeake City. He is going to Take a Count of his trees by years and send office the data. Thinks he got more than the 62 sent to him.

Some of his trees up to 10 ft. high. Sassafras brain. Trees planted 40 x 40. Is raising confers and nut Trees with success. RBC.

8/31/35- muto requested 3/11/36 letty withen but no reply

Standley Evans

Experimenter

Ce el Co. Chestnut -61834 Castanea mollissima Chinquanin S.P.I.No. Scientific Name Common Name A prompt reply to the following questions regarding the abovenamed tree will be thankfully received: Number of trees sent.....Date sent....March 1927 Number of trees alive ... ... Height of trees .. about 30" Have trees fruited? . Mr. Size and quality of nuts .... Approximate location of trees on your place. about 75 ft - Lack from Bohime Kim and NM from Celin. Kindly use inclosed Invelope. The true made a very Knowles Ryerson, satisfactory growth. Horticulturist in Charge-Date ... 5-21-28 Sign Here ..

Elkton, Maryland.

Address

ELKTON, MARYLAND

Seed mimeo. sent '44

Argus F. Robinson

4/10/36 25 MI Castanea mollissima

Seed mimeo. sent '44

ELKTON, MARYLAND

W-1951

George B. Campbell "Holly Hall Hill"

4/13/36 25 FP303 Castanea crenata (Bell read)

11/6/46 Lends FP. several muts, quite typical screnate; nother dry and do not clean, quite sweet however, Sample files. July 1946 - 5 trees leving, bearing nuts at 3 yrs after planting

ELKTON, MD.

ROBERT D. BONNEY
GREENHAVEN FARMS
R.F.D. \*1

1940 -- 5 S-8 hybrid trees given him by J. Russell Smith

Ellicott City, Indo

3/29/50-15 FP-1270 C. mallissima 1951--- 15 7P-1360 Q. " 9/25/50 -- 8 trees living, only 27 which "show real signs of good development"