ALASKA

Where Growing Tree Fruit Is Impossible— But Less Impossible Than It Used to Be





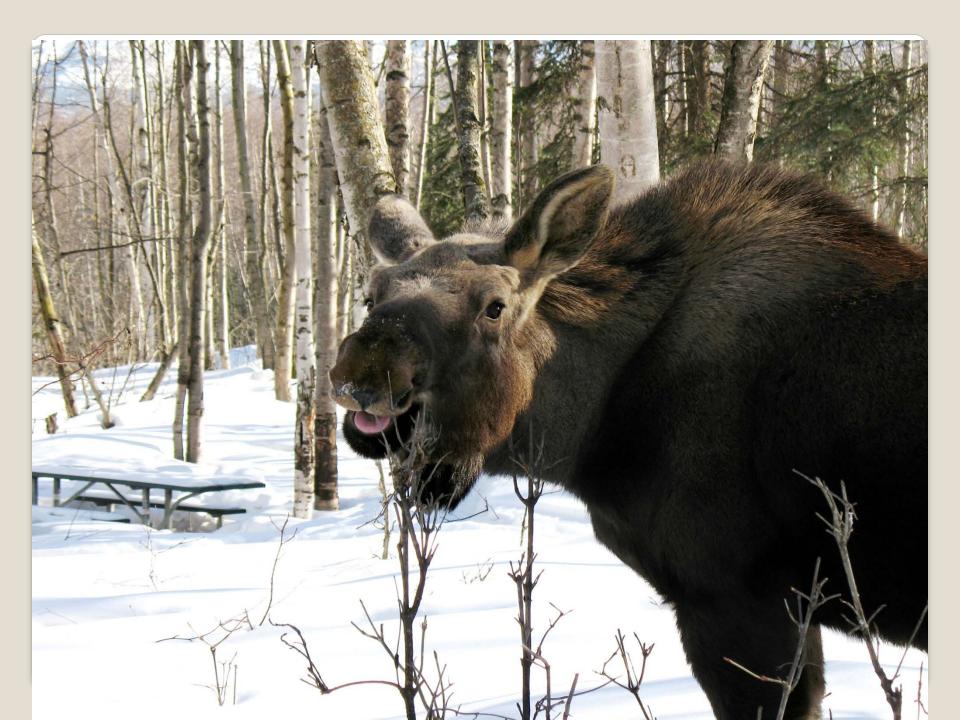




To Paraphrase Archimedes,

"Give Me a Rootsock Hardy Enough And I Can Grow an Apple on the North Pole!"



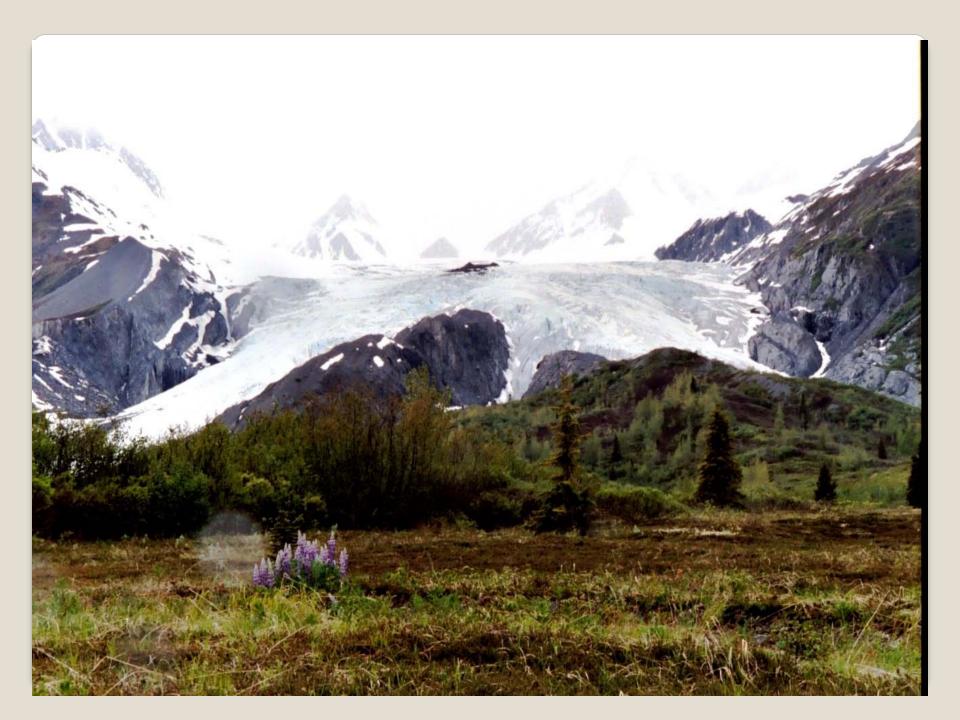


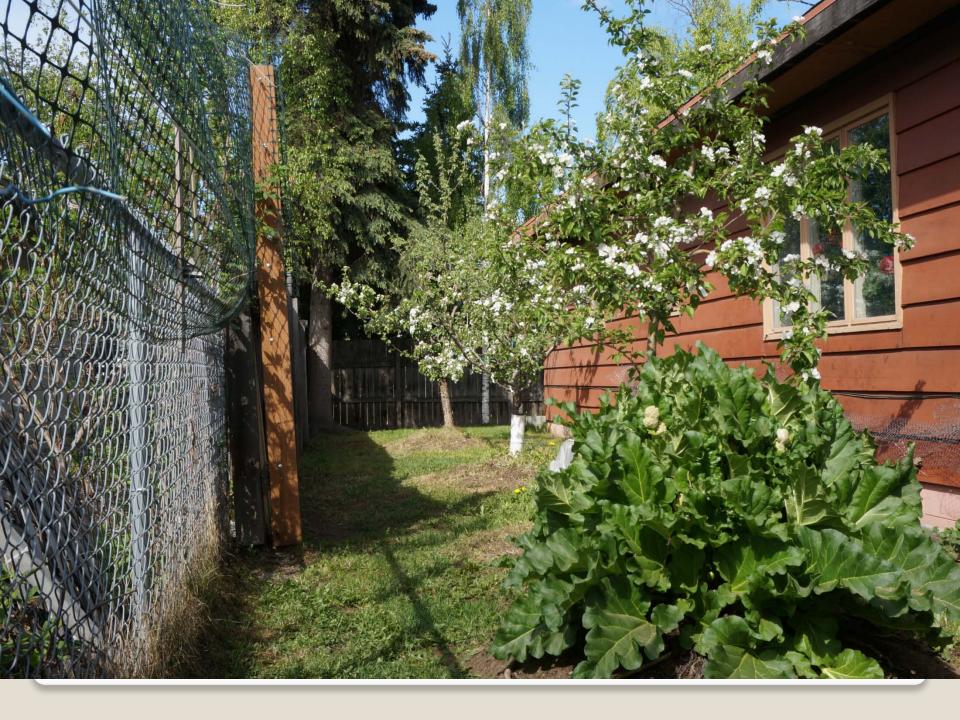












Raised Beds for Trees An Advantage Where Soils Are Cold?

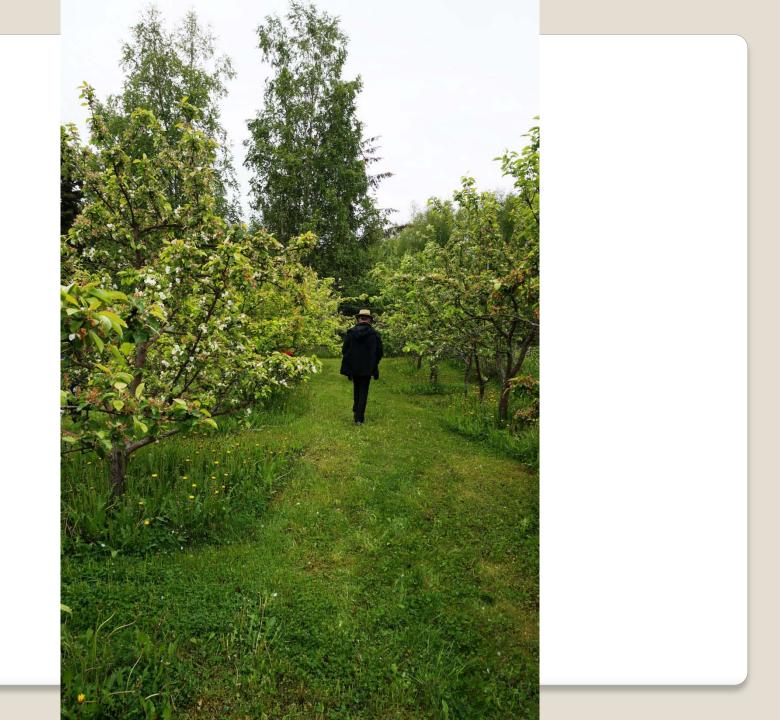
Warmer Soil in Spring = Longer Growing Season

Root Zone Larger

Improved Tilth

Cold Air Drains Away from Tree = Improved Frost Protection



































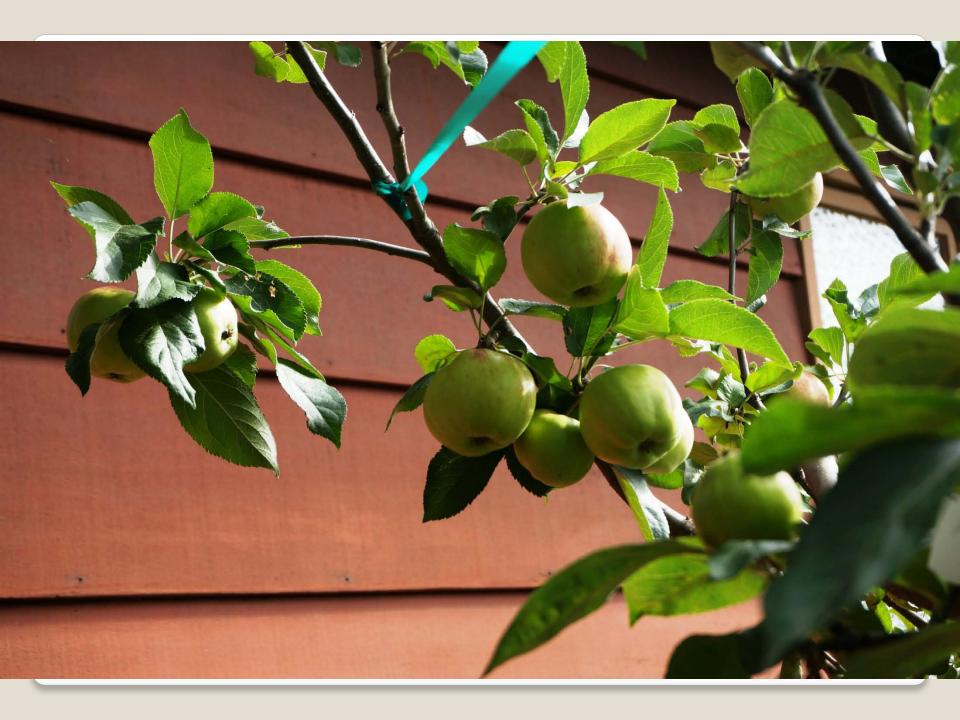


















My Favorite Apples For Anchorage and the Matanuska Valley:

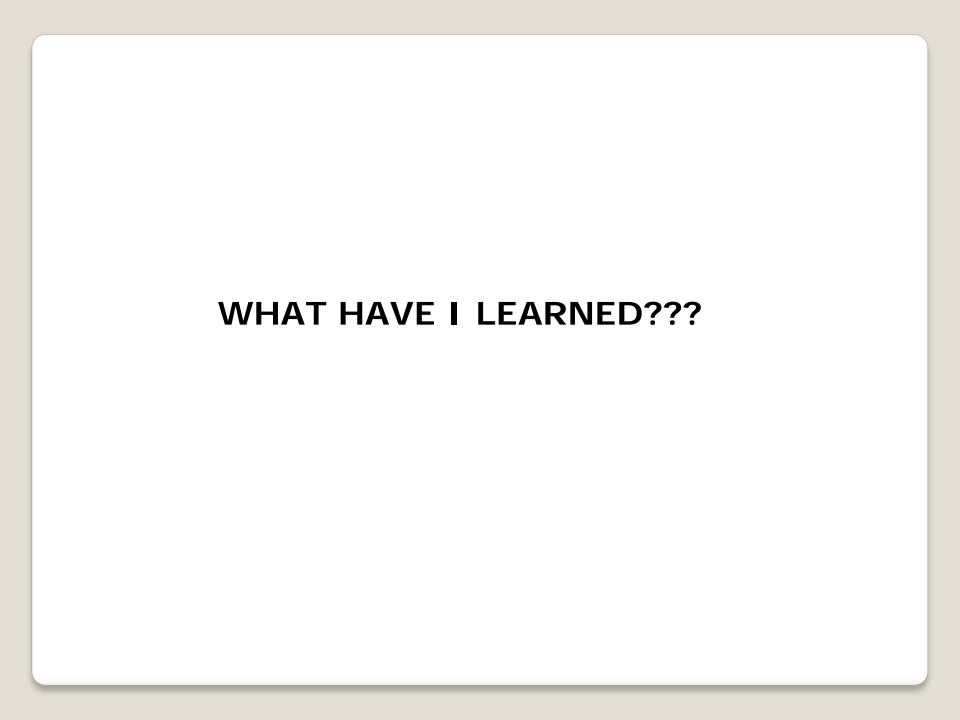
Rescue (crab), Lubsk Queen, Carroll (TW), Garfield King, Oberle (TW), BM 50602 (TW) Prairie Sun

Stand-By Apples:

Norland, Parkland, Yellow Transparent, Kerr (crab), Heyer 20

Promising:

Prairie Sensation, Lobo, Valentine, Samo, Miller's Red Ruby, Simonette, Rosybrook (crab), Carlos Queen, Heyer 6



- 1. COLD WINTERS DO NOT KILL APPLE TREES! (-41F versus -43F etc. etc. etc.)
- COLD WINTERS DO NOT KILL APPLE TREES! (apples are fully dormant by the time winter arrives)
- 3. COLD WINTERS DO NOT KILL APPLE TREES! (but warm ones are death traps)

IT IS **NOT** HOW COLD IT GETS THAT MATTERS.

IT IS HOW FAST IT GETS COLD.

(October) November and December are the killing months. By January, tree tissues are either fully dormant or already dead.

SUN SCALD in spring is a result of frost damage.

Although the scalds occur in the spring, the underlying cause is tissue damage from severe cold during the preceding fall.

Thus, FROST PROTECTION PREVENTS SPRING SUN SCALD!



How to improve the odds of survival?

NO "EVENTS" late in the growing season or early in spring!

(No fertilizer! No water! No pruning! No browsing!

No anything that might stimulate growth or surprise the tree!

ANYTHING that stimulates or prolongs late-season growth, or causes the tree to wake up too early, is a potential killer!

PICK ALL APPLES! As early as possible!

(The longer they stay on, the longer it takes the tree to shut down.)

TRUNK WRAPS and pvc tubes add significant frost protection. Ditto raised beds, upper slopes, southfacing aspects, high boles, near-by structures, wind-breaks, bodies of water (if not frozen), etc.

On a still, cold night, temperatures decrease dramatically from the top of a small tree to the bottom:

Delta T = up to 10F!

Pick your cultivar, pick your rootstock and/or framework tree. IGNORE the "Hardiness Zone" propaganda!

The USDA zone system is ridiculously over-simplified and unreliable in the north. EARLY LEAF FALL is a more reliable indication of winter hardiness in apples.

Cultivars that are quick to lose their leaves in autumn are likely to be ready for cold snaps. Those that hold leaves late are most vulnerable.

And one last, sort of political-- but I hope humorous- point: (Joe P., don't look!):

THE APOSTLE OF THE USDA PLANT HARDINESS ZONE SYSTEM ?

