



**SEED  
CATALOG**  
SPRING 2018

**[BetterForestTreeSeeds.com](http://BetterForestTreeSeeds.com)**

## DOUGLAS FIR (*Pseudotsuga menzeisii*)

Site requirement -- Adapted to low fertility soils but requires good air and soil drainage. Does well in driest sites of the Northeast U.S.

<b>San Juan N.F. Southern Colorado:</b>	<b>Price / lb</b>
Similar rapid growth of Lincoln N.F. (Sacramento Mts.) more blue in color and slightly more open crown. (36,000)	<b>\$ 150.00</b> sold out
<b>Pal~Select Lincoln N.F.:</b>	<b>\$ 110.00</b>
Southern New Mexico, Sacramento Mts.: Highly selected and tested local areas for best shape, density and minimum shearing; quality rapid growth and blue/green to dark green color; Adelgid and Gypsy moth resistant. (34,000)	
<b>Santa Fe N.F.:</b>	<b>\$ 130.00</b>
North-central New Mexico, select canyons, western district: Similar to Sacramento Mts. but more blue in color and slightly slower growing. (33,000)	sold out
<b>Pal~Select Shuswap Lake Region. B.C.:</b>	<b>\$ 135.00</b>
We select local stands for best Christmas tree quality, High adelgid and rhabdocline resistance, long needles, dark green color and small butts. (42,000)	sold out



### CONTENT NOTES:

1. N.F. National Forest  
Some stands are on private holdings within or adjacent to the National Forest.
2. (20,000) Approximate number of seeds per pound are in parentheses at the end of most seed listings.

\*Cover Photo: Early Fall photo of our Canaan Fir Seed Orchard in Central Pennsylvania.

## TRUE FIRS (Abies)

<b>BALSAM FIR (A. balsamea)</b> <b>Nova Scotia:</b>	<b>Price / lb</b> <b>\$ 138.00</b>
<b>Cooks Blue Improved:</b> Collected from a grafted seed orchard	<b>\$ 125.00</b>
<b>BULGARIAN FIR (A. borisii regis):</b> We inspected this species in Macedonia. It appears similar to Fraser Fir but more tolerant to drought. (6,800)	<b>\$ 70.00</b> sold out
<b>CONCOLOR FIR (A. concolor)</b> <b>Pal~Select Cibola N.F.:</b> Central New Mexico, Sandia Mts., select canyons. - Fast growth, best blue of all selections ever made and most drought resistant. (10,419)	<b>\$ 85.00</b> sold out
<b>San Juan N.F.:</b> Southern Colorado	<b>\$ 65.00</b>
<b>Santa Fe N.F.:</b> Central New Mexico, Rio Las Vacas and nearby area - Fast growth, very blue, longest needle. (14,000)	<b>\$ 65.00</b>
<b>Lincoln N.F.:</b> New Mexico - Best growth rate, excellent shape and density but not as blue as other sources. Indications are that this selection is most resistant to root rot. (14,950)	<b>\$55.00</b> sold out
<b>CORKBARK FIR: (A. lasiocarpa var. arizonica):</b> <b>Apache N.F.:</b> Arizona	<b>\$165.00</b> sold out
<b>FRASER X BALSAM HYBRID (A. Fraseri x Balsamea):</b> Collected from a New England Seed Orchard	<b>\$ 250.00</b>



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<b>FRASER FIR (<i>A. fraseri</i>)</b>	<b>Price / lb</b>
<b>North Carolina:</b> Roan Mountain, seed orchard.	
2015 Crop Year, 57% germination:	<b>\$ 165.00</b>
2017 Crop Year, 35% germination:	<b>\$ 110.00</b>
<b>North Carolina:</b> Roan Mountain, wild stands -lower germination	
2006 Crop Year, 33% germination:	<b>\$ 100.00</b>
<b>North Carolina:</b> Mt. Rogers Seed Orchard, very uniform quality.	<b>\$ 185.00</b> sold out
<b>GRAND FIR (<i>A. grandis</i>)</b>	
<b>Clearwater N.F. Idaho:</b>	<b>\$ 90.00</b> sold out
<b>INTERMEDIATE (CANAAN) FIR (<i>A. intermedia</i>)</b>	
<b>Pennsylvania Seed Orchard:</b>	germination: 45% <b>\$ 300.00</b>
Excellent growth rate, bluish color,	39% <b>\$ 260.00</b>
dense crown form, high needle density	30% <b>\$ 200.00</b>
on twigs. On going tests show	26% <b>\$ 173.00</b>
tolerance for less moisture and higher	
temperatures than Fraser. (46,000)	
<b>NORDMANN FIR (<i>A. nordmanniana</i>)</b>	
<b>Bout, France:</b> Cloned Seed Orchard Also known as	<b>\$ 100.00</b>
Caucasian fir, similar to <i>Abies alba</i> and <i>Abies bornmuelleriana</i> .	sold out
<b>TURKISH FIR (<i>A. bornmuelleriana</i>)</b>	
<b>Bolu-Aladag, Turkey:</b> Native to the mountains of	<b>\$ 65.00</b>
Northwestern Turkey. Breaks bud slightly earlier than	
Nordmann with a faster growth rate, also some tests have	
shown resistance to root rot. (6,800)	
<b>France Seed Orchard Selection:</b> Clones from Turkish	<b>\$ 105.00</b>
provenances. Selected for good homogeneity, better vigor and	
growth rate, later bud flushing and frost hardiness. (5,500)	

**PINES (Pinus)**

**AUSTRIAN PINE (P. nigra)**

**Pal~Select:**

Macedonia Seed Orchard, high density, excellent shape & dark green foliage. (21,000)

**Price / lb**

**\$ 85.00**

**sold out**

**EASTERN WHITE PINE (P. strobus)**

**Lake States:** (21,000)

Typical growth, mid range variety.

**\$ 105.00**

**Pennsylvania - Central PA Wild Stands:**

**\$ 95.00**

**sold out**

**PONDEROSA PINE (P. ponderosa)**

**Santa Fe N.F. & Lincoln N.F., New Mexico:**

Exceptionally long blue/green needles, good growth rate, shape, density and excellent stem form. Very suited to low fertility and dry sites such as mine spoils and drier landscapes. (11,000)

**\$ 50.00**

**RED PINE (P. resinosa)**

**Lake States:**

Uniform genotype all purpose tree. (49,000)

**\$ 115.00**

**SCOTCH PINE (P. sylvestris)**

**Macedonia Seed Orchard:**

Select, progeny tested, has blue green needles, best stem quality of all Scotch pine, fast growth, needle disease resistant. (65,000)

**\$ 100.00**

**SOUTHWESTERN WHITE PINE (P. strobiformis)**

**Lincoln N.F. Southern New Mexico:**

Beautiful natural shape for landscape and Christmas trees. Resistant to White pine weevil, 3+ years needle retention, stiff branches, fast growth. Must shear early in season - no later than June 15. Tested in retail lot. Customers preferred over Eastern White Pine. (3,500)

**\$ 40.00**

**sold out**



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## SPRUCES (*Picea*)

<p><b>BLACK HILLS SPRUCE (<i>P. glauca densata</i>)</b>  <b>South Dakota:</b>            Excellent natural shape, practically no shearing required, relatively slow growing, well adapted to Northeast U.S. Prized as an ornamental and for Christmas trees. (167,000)</p>	<p><b>Price / lb</b>  <b>\$ 320.00</b></p>
<p><b>BLUE SPRUCE (<i>P. pungens</i>)</b>  <b>San Juan N.F. Southern Colorado:</b>            Select area, very blue, fast growth. (90,000)</p>	<p><b>\$ 130.00</b></p>
<p><b>Pal~Select Santa Fe N.F.:</b>            Central New Mexico highly selected for color and shape, 90% very blue. Tendency toward more upright branching; needles not so sharp as San Juan. (100,000)</p>	<p><b>\$ 105.00</b></p>
<p><b>Apache N.F. Arizona:</b>            Very blue, fast growth, upright branching, not as dense as Sante Fe.</p>	<p><b>\$ 160.00</b>            sold out</p>
<p><b>ENGELMANN SPRUCE (<i>P. engelmanni</i>)</b>            Excellent landscape and Christmas tree. Has excellent blue color, natural shape and density. Adapted to cold, moist well-drained sites.</p>	
<p><b>Pal~Select Special:</b>            Our progeny tested 1988 selection for best shape and density, growth rate, and superior traits for Christmas tree and ornamentals. Requires practically no shearing. (91,500)</p>	<p><b>\$ 175.00</b>            sold out</p>
<p><b>ENGELMANN X BLUE SPRUCE HYBRID</b>  <b>or INTERGRADE</b>  <b>New Mexico:</b>            Natural hybrid with unusual high years of needle retention, excellent growth rate and maintains excellent natural pyramidal shape to maturity. Needles are an attractive blue and not sharp. Appears very resistant to dessication after cutting. (110,000)</p>	<p><b>\$ 200.00</b>  <b>\$ 20/oz</b>            sold out</p>

**MEYERS SPRUCE (*Picea meyeri*)**

**China:** Blue green foliage with excellent needle retention.

**Price / lb**  
**\$ 105.00**  
limited supply

**NORWAY SPRUCE (*P. abies*)**

**Lake States:** (48,000)

**\$ 87.00**

**Pennsylvania - Landscape Specimens:**

**\$ 90.00**

**ORIENTAL SPRUCE (*P. orientalis*):**

Dark Green, short needles and dense foilage. High value landscape plant.

**\$ 85.00**

**WHITE SPRUCE (*P. glauca*)**

Native Eastern U.S. (Blue) spruce. Well adapted for Eastern U.S. landscape. • Not recommended for Christmas trees.

**Lake States:**

Landscape specimens, fast growth, blue and excellent natural shape and density. (170,000)

**\$ 115.00**

**OTHER SPECIES**

**ARBORVITAE (*Thuja occidentalis pyramidalis*):**

Pyramidal form for landscape and hedgerow planting. (261,504)

**Price / lb**  
**\$ 100.00**  
sold out

**ARIZONA CYPRESS (*Cupressus arizonica*):**

Macedonia seed orchard selection.

**\$ 55.00**

**E. HEMLOCK (*Tsuga canadensis*):**

Pennsylvania: for landscape windbreak and hedgerow planting. (135,000)

**\$ 170.00**



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