

Each year we will plant real trees based on a percentage of the sales from the ForestArray SYSTEM™
(SEE LANSONWORKSGIVESBACK.COM FOR MORE INFORMATION)



TOOLS AND ITEMS YOU MAY NEED:

TACKY GLUE | SPRAY ADHESIVE | PLIERS | HOBBY KNIFE | TWEEZERS | PAINT | FOLIAGE | BRAMBLE FIBER

48 unique tree styles representing the 3 tree types in the SUNLIT-VISTAS™ ForestArray SYSTEM™

Each X denotes a one unique tree style in that type and size. Some tree types contain multiple styles of the same size. See details of EACH tree style on SUNLIT-VISTAS.COM
Kits are sold as Small (48 CT), Medium (16 CT) and Large (8 CT) for each of the tree types (Noble Broadleaf, Mighty Deciduous and Stoic Conifer)

TREE TYPES & SIZES	SMALL				2.0" - 3.5"				MEDIUM				4.0" - 5.5"				LARGE				6.0" - 7.5"															
Sizes:	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"
Noble Broadleaf (14 Styles)	X X	X X	X X	X X	X	X	X	X	N/A	N/A	X	X	X X X X	X X X	X X X	X X	X X	X X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Mighty Deciduous (22 Styles)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Stoic Conifer (12 Styles)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

TREE STYLES & COUNTS	SMALL				2.0" - 3.5"				MEDIUM				4.0" - 5.5"				LARGE				6.0" - 7.5"															
Sizes:	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"
Noble Broadleaf	12 (6+6)	12 (6+6)	12 (6+6)	12 (6+6)	4	4	4	4	N/A	N/A	4	4	12 (3+3+3+3)	12 (4+4+4)	12 (3+3+3)	12 (6+6)	4 (2+2)	4 (2+2)	4	4	2	2	2	2	12	12	12	12	4	4	4	4	2	2	2	2
Mighty Deciduous	12	12	12	12	4	4	4	4	2	2	2	2	12	12	12	12	4	4	4	4	2	2	2	2	12	12	12	12	4	4	4	4	2	2	2	2
Stoic Conifer	12	12	12	12	4	4	4	4	2	2	2	2	12	12	12	12	4	4	4	4	2	2	2	2	12	12	12	12	4	4	4	4	2	2	2	2
9 Kits Total:	48 Small Noble Broadleaf Trees/kit 48 Small Mighty Deciduous Trees/kit 48 Small Stoic Conifer Trees/kit								16 Medium Noble Broadleaf Trees/kit 16 Medium Mighty Deciduous Trees/kit 16 Medium Stoic Conifer Trees/kit								8 Large Noble Broadleaf Trees/kit 8 Large Mighty Deciduous Trees/kit 8 Large Stoic Conifer Trees/kit																			

SCALE INFORMATION	SMALL				2.0" - 3.5"				MEDIUM				4.0" - 5.5"				LARGE				6.0" - 7.5"															
ACTUAL SIZE:	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"	2.0"	2.5"	3.0"	3.5"	4.0"	4.5"	5.0"	5.5"	6.0"	6.5"	7.0"	7.5"
HO Scale	14.52'	18.15'	21.77'	25.40'	29.03'	32.66'	36.29'	39.92'	43.55'	47.18'	50.81'	54.44'	26.67'	33.33'	40'	46.67'	53.33'	60'	66.67'	73.33'	80'	86.67'	93.33'	100'	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'
N Scale	10.67'	13.33'	16'	18.67'	21.33'	24'	26.67'	29.33'	32'	34.67'	37.33'	40'	36.67'	45.83'	55'	64.17'	73.33'	82.5'	91.67'	100.83'	110'	119.17'	128.33'	137.5'												
O Scale																																				
S Scale																																				
Z Scale																																				

ALL TREES ARE PROUDLY MADE IN THE USA



For questions or concerns please contact us: INFO@SUNLIT-VISTAS.COM or 330-473-7466

NOT A TOY. KEEP OUT OF THE REACH OF CHILDREN. THIS IS A MODELING KIT. ASSEMBLY REQUIRED.
⚠️WARNING: This product can expose you to chemicals including styrene, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

FOR UPDATED WARNINGS AND NOTICES RELATED TO LANSONWORKS PRODUCTS VISIT: LSON.LINK/W1

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ForestArray SYSTEM™ - NOBLE BROADLEAF INSTRUCTIONS

The wonderful experience of making trees is relaxing. It's a very calm process that you can slow down and enjoy by yourself or with friends and family. Having others join in these steps makes for unique trees, conversations and memories. Building a whole kit worth of trees in a single session is always going to be more worthwhile than just doing a single tree at a time!

Thanks to the work done by Dennis Storzek and Bob Walker from Accurail, we can offer these beautiful tree kits. You will love exploring these trees as you build them! Credit goes to Bob Hayden for the original inspiring words he authored and images he created in 1999 for Accurail that were used as the foundation for these updated instructions. Read more about the wonderful story at SUNLIT-VISTAS.COM and feel free to share your creations with us and others!

TIP: If you're a first-time model maker, it's important to understand that making trees is different from building models. Instead of constructing a scale tree branch-for-branch and leaf-for-leaf, our goal is to simulate a rich forest array with dozens of textured tree shapes. Abandon precision here and focus on having fun. You really can't mess these things up!

▶ STEP 1: TWIST, BEND AND SHAPE THE TREE

The idea here is to take the tree from a 2D flat shape into something 3 dimensional with character, depth, randomness and spirit.

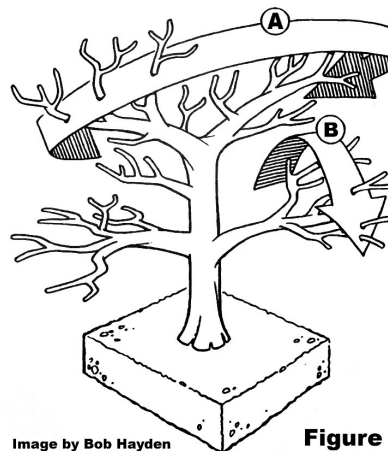


Image by Bob Hayden

Figure 1

Grasp the tree armature at the base with one hand and twist the trunk and major branches until the branches stick all the way around the tree. (See Figure 1:A)

Then, bend individual branches near their junction with the main trunk from the bottom working your way up to the top. Bend and twist each major limb group as you see fit using gentle curves. Avoid hard right angles and making bends at existing junctions. (See Figure 1:B)

TIP: You can of course decide to cut branches away. You can go even bolder and add branches from other trees by drilling holes and inserting branches. You can also dry brush or spray paint the armatures flat brown or brownish gray. Use diluted dark paint afterwards to highlight the texture and detail of the trunk and large branches. Adding light colored streaks can really show off bark elements. The molded knobs will stand out!

Go along and continue to refine all the end branches and give them some individual twists and bends as well. Each tree in nature is unique after all!

TIP: Batching multiple trees in each step is the best and most productive approach. This step is unique in that you can shape many trees and store them somewhat loosely into a box or a bin and apply glue and paint later.

STEP 1 COMPLETED: Look down at the tree from the top to ensure that branches are sticking out all around the main trunk in a pinwheel fashion and that you have established a full structure. It doesn't have to be perfect, but reviewing in this fashion will ensure you haven't missed anything. Do some more trees before moving on!

► STEP 2: PREPARE AND ADD BRAMBLE FIBER

Not all branches can be molded into the tree armature itself, so bramble fiber is added to fill in the gaps between branches, give volume to the tree and act as a base for the foliage.

TIP: It's helpful to stand the tree armatures in a block of foam or wood that is small enough to hold with one hand. This makes adding the bramble fiber and foliage material much easier as you can work with a single tree at a time and rotate the block to rotate and view from all angles while applying materials.

Pull out a postage-stamp size wad from the bramble fiber and roll it into a thin cylinder. Tear off pieces and roll them into pea shapes. Then pull and stretch and tease each pea into a thin, wispy wafer (See Figure 2:C)

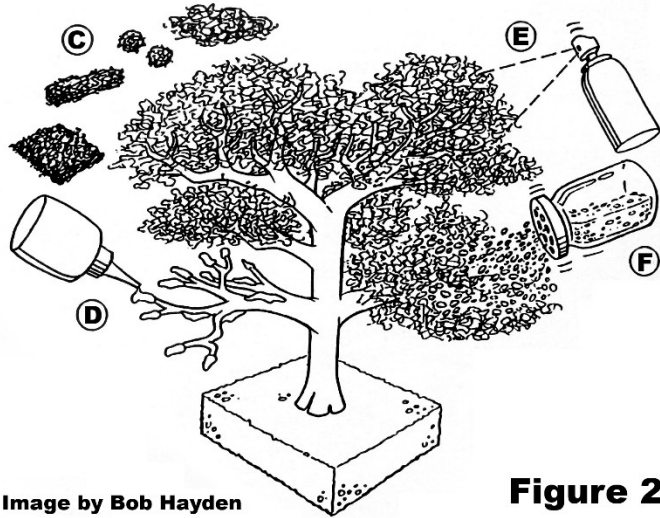


Image by Bob Hayden

Figure 2

When you have about 10 or 12 wafers, attach them to the tips of the branches with small dabs of tacky glue, working from bottom to top. (See Figure 2:D)

TIP: Another technique for preparing bramble is to take a larger wad and spread it out all at once by working it with your hands flat on a hard surface and slowly expanding the fibers until you get a very thin layer. You can then tear off pieces and work with them individually.

Let the tacky glue dry, then turn the tree upside down and glue a few wisps to the bottoms of the branches. You want the tufts not only to sit on the top of the limbs but also surround them. You don't have to cover every single branch. Let some of the end branches stick out.

For best results it's better to place many small wafers of bramble fiber on the tree rather than a few big ones. This gives the trees more complex and pleasing shapes.

TIP: On the largest trees, make two or three very small bramble fiber tufts and glue them directly to the trunk in an open area to add even more volume and complexity.

TIP: The same armature can produce vastly different trees based on how much or how little is done to them. You will find that you aren't limited in the variety that can be created! Don't worry about having too many of the same type and size!

STEP 2 COMPLETED: You should now have a tree with volume and more character than before. Adding the foliage next will really make your creation come to life!

► STEP 3: ADD FOLIAGE TO MAKE YOUR TREES ALIVE

Foliage gives the tree a life and spirit. You will find all kinds of colors, complexities and densities in nature. This may be your favorite step!

Mist the bramble fiber with a fine layer of spray adhesive. (See Figure 2:E) The right amount makes the bramble fiber look like a spider web on a dewy morning.

Lightly sprinkle on the foliage. (See Figure 2:F) You can use one whole color or combine colors. Use lighter colors at the tops of trees to simulate more sunlight, and darker colors at the bottom to create the appearance of shadows. The idea is to fluctuate the colors between trees to give your scene variety.

TIP: You can use a sprinkle container to give more control when dispersing. Allow the excess to fall into a box to be used later for more trees, or for other scenic elements such as bushes, undergrowth and more.

Don't get carried away and add too much foliage! These trees look best when you can see through them. Seeing branch detail through the foliage adds great depth overall.

You don't have to completely cover all the bramble fiber with the foliage. Some of the fiber can show on the finished tree. Experiment with what you like the best. For extra depth and detail, lightly dust on fine foliage while the trees are damp with the spray. You can repeat spraying adhesive and foliage multiple times to build up volume in certain areas.

TIP: You can add sparse contrasting colors to represent fruit or berries (red on green for example).

STEP 3 COMPLETED: Look at those realistic trees! You will find that each batch you make can have its own overall character. The next batch will be different! Each tree can have a story.

► STEP 4: TRIM THE TREE AND PLANT IT

Let's give the tree its final shape by trimming a bit and then give it a home!

After the bonding spray has dried, hold the tree up against a light and clip off the longest errant strands of fiber so that it doesn't look as if the tree needs a haircut. Don't overdo this as you can unintentionally give your tree rigid angles and hard lines and may look *too manicured*.

To thin dense foliage, trim the fiber with scissors held horizontally. Use the tips of the scissors to separate the fiber and add definition to the tree.

TIP: Save all the trimmings to use as undergrowth and bushes. This is also a great way to put the extra bramble fiber and foliage to use in your scene. Branch cuttings can be weathered and placed on the ground as well.

To plant the tree, use the ½" molded "pin" at the bottom of the trunk. Drill a hole 9/64" in diameter and use glue to hold in place.

TIP: The "pin" on the tree doesn't have to be cut at the "gate" of the mold. Leaving the runner on can then be used as a key to hold the tree better when using glue.

STEP 4 COMPLETED: Enjoy your trees, build many of them, and be sure to teach and inspire others to do the same! And remember: **Grow the hobby by being what you want to see in it !**