



Trees are the largest and most conspicuous part of nearly every landscape. Learning to identify certain characteristics of trees will not only add to your appreciation of the variety of nature but will also

serve as a good understanding of their true size in relationship to other scale objects. People often see trees, but never really look at how large they truly are. This guide featuring a few popular North American trees should help.



**Black Oak** A common tree found in most American hardwood forests. Often used in ornamental landscaping. The large leaves are dark shiny green 4-9" long 5" wide.

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Scale*	Tree Height	Diameter	Trunk
Actual	50-80 ft.	40-60 ft.	3-4 ft.
N-Scale	41/2-6 in.	3-4½ in.	½ in.
HO-Scale	8½-11 in.	5½-8½ in	1/4-1/2"
O-Scale	12½-20 in.	10-15 in.	3/4-1"



**Cottonwood** A relative of the aspen and birch. A popular residential shade tree. Favors rugged dry terrain. Small light green triangular leaves. Turns bright yellow in fall.

Scale*	Height	Diameter	Trunk
Actual	100 ft.	50-70 ft.	2-31/2′
N-Scale	7½ in.	33/4-51/4"	⅓ in.
HO-Scale	131/4 in.	7-9¾ in.	1/4-1/2"
O-Scale	25 in.	<b>12-17</b> ½″	3/4-1"



**Hickory** A species widespread in the Northeast and southern Appalachians. Prized for its strong wood. The compound leaves are dark dull green 6-8" long 2" wide.

Scale*	Height	Diameter	Trunk
Actual	60-80 ft.	40-50 ft.	1-21/2
N-Scale	41/4-6 in.	3-3¾ in.	1/4 in.
HO-Scale	8 <sup>3</sup> / <sub>4</sub> -11 in.	5½-7 in.	1/4-1/2
O-Scale	15-20 in.	10-15 in.	3/4-1"



**Dogwood** Their beautiful blossoms are a welcome sign of spring. Often used in yards and ornamental landscaping. The oval leaves are medium shiny green 5-7" long 2" wide.

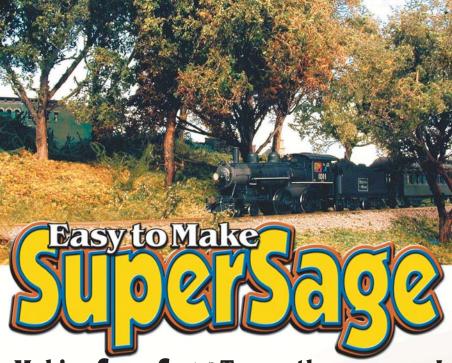
Scale*	Height	Diameter	Trunk
Actual	30 ft.	30 ft.	1 ft.
N-Scale	21/4 in.	21/4 in.	1/4 in.
HO-Scale	41/4 in.	41/4 in.	⅓ in.
O-Scale	7⅓ in.	7⅓ in.	½ in.



Silver Maple Part of a large family of trees found in Northern U.S. and Canadian forests. Leaves are medium shiny green with silvery white under. 4-6" long 4" wide.

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Scale*	Height	Diameter	Trunk
Actual	100 ft	50-70 ft	3-4 ft
N-Scale	7½ in.	33/4-51/4"	⅓ in.
HO-Scale	13¼ in.	7-9¾ in.	1/4-1/2"
O-Scale	25 in.	12-171/2"	3/4-1"





## Making SuperSage Trees – the easy way!

By Dave Frary

There's nothing more enjoyable than spending an evening building a dozen or so highly detailed foreground trees. Realistic **SuperSage** trees are fun and easy to build.

**SuperSage** trees will give your model railroad, village collection or military diorama an extra degree of realism that you and your visitors will love.

This new **SuperSage** tree making kit is perfect for almost any scale or gauge. All the materials you'll need to get started are included in the kit.

Let's start by getting familiar with the contents of the kit. Your **SuperSage** Starter Kit includes the following items:

- 6-8 pieces of SuperSuper
- Supplied highly detailed branch foliage foundation
- Matte Medium concentrate (Mix 4 parts water to 1 part concentrate to make a sprayable solution)
- GOO III (the glue used to attach the branches to the trunks)
- NOCH leaf flake flock
- Rock@Turf coarse and fine scenic foam canopy textures
- **SPRAYMSTER** spray bottle
- 4 pair Self-Closing Tweezers





Dave Frary has been a model railroader for nearly a half century. He's been an expert in the art of building scenery for nearly as long. Dave's trademark scenery techniques have graced many of the books and videos we feature here at Scenic Express. In fact, we believe so wholeheartedly in Dave's scenery methods that we have developed almost our entire terrain program utilizing his 'goof-proof' techniques.

Now Dave has discovered SuperSags. To our delight he was so convinced of their realism that he was willing to compile this How-To Manual. Follow closely as his renown writing style will demonstrate his exciting techniques in making a variety of incredible realistic scale trees.



In addition to this kit you'll need the following tools and paints:

- Zona<sup>™</sup> razor saw
- 1" to 1-3/4" long wire brads (1" No. 17 wire brad for smaller trees)
- 18" square piece of 1" or 2" thick Styrofoam
- CA+ or Super Glue ZAP-A-GAP® filling cement
- Zip Kicker to quickly set the CA+
- Diagonal wire cutters for trimming the SuperSage
- Flat gray, terra cotta or brown spray paint
- Gloss white spray paint
- Newspapers
- Pin vise with #52 drill
- Raw umber acrylic paint (or other brown color depending upon the type of trees you're modeling)
- Scissors
- Small paint brush (I use a #10 watercolor brush)
- Toothpicks



Drill a hole about 1/2" deep.



Glue on the end of a 1" to 134" long brad.



Clip off the end of the brad with the diagonal cutters..



Trim away any branches that look out of place.

Let's get started...

#### Preparing the trunk

1. Remove the **SuperSage**™ tree armatures from the box and check the bottom of the trunks to see if they are square. If not, use the razor saw to cut them square. Save the trunk trimmings. These make great looking stumps in your model forest.

2. Drill a hole about 1/2" deep in the base of each trunk. Put a drop of **ZAP-A-GAP** on the end of a 1" to 1-3/4" -long brad and insert it in the hole. After several seconds clip off the end of the brad with the diagonal cutters leaving about 1-1/4" protruding. Larger and heavier trees will need longer brads to help keep them upright.

Stand the **SuperSage**™ trunk in a Styrofoam block.

- 3. Over a sheet of newspaper, using the diagonal cutters, snip the top 2" from each tree and trim away any branches that look out of place or do not look like tree branches. You can trim the branches shorter than you think. Most will be hidden by the foliage when the tree is completed.
- 4. I like to seal the rugged bark texture before I handle the tree further. To do this I brush a thin coat of full-strength matte medium concentrate on the trunk of the tree and up into the branches. Replace the trunk in the Styrofoam and allow the matte medium to dry overnight.

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Pluck away the tiny leaves that grow from the main stem of the **SuperTree**.

#### Adding foliage

5. Using tweezers, pluck away the tiny leaves that grow in the **Experience** foliage.

6. We'll use **Zap Goo II** to glue the **Superfixe** branches to the **SuperSage**™ trunk. Squirt a small bubble of **Goo** onto a piece of scrap paper.





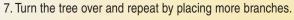
Glue branches to one side of the trunk in this position. Gravity will help hold branch in place.

Take a **SuperSage**™ trunk and insert horizontally into the end of the Styrofoam block. It should be almost lying on its side. It's a lot easier to glue branches to one side of the trunk in this position. Gravity will help hold the branch in place while the **Goo** dries.



Dip a **SuperTree** branch into the **Goo** and place it onto the end of one of the **SuperSage** branches.

Using tweezers, dip a place it onto the end of one of the **SuperSage™** branches. The practice branch may not want to stay in position, so turn the trunk until you find a place where the branch will be self-supporting. Keep adding all the branches that will stay in place while the tree is on its side. Allow the **Goo** to dry before moving the tree.



Stand the tree upright in the Styrofoam block and add the top branches.



Glue large pieces of **SuperTrees** into the crotch for fuller shape.

8. Large pieces of **Superion** foliage can be glued into the crotch of the **SuperSage**™ branches, creating new branches and a fuller shape. The blob of **Goo** that holds the branch in place will fill the space where the branch meets the trunk.



Brush or spray Brown or Gray color upward into the underside of the branches.

9. When all the branches are in place, color the new branches so they blend into the color of the trunk. A Roof Brown color can be brushed on the new branches to darken them. Or, if you'd rather spray paint the tree - spray Brown or Gray color upward into the underside of the branches. Spray until the light color of the new branches have been darkened enough to blend with the color of the trunk.

# SUPERSON Market Superson Marke



Apply Snow Crystal in a downward direction to simulate fallen snow

#### Modeling winter trees

10. If you want to model winter trees without leaves you can stop at this point and use your **SuperSage™** tree as is. To add the look of ice and snow, I like to lightly spray the tree with gloss white spray paint. Spray the paint downward from the top to simulate fallen snow. While paint is tacky, apply Snow Crystal in the same downward direction. Repeat process until desired snow depth is achieved.

#### Adding leaves to make summer or fall trees

11. Working over the newspaper, spray diluted matte medium onto the tree branches with the pump-type sprayer included in the kit. Sprinkle on the green Recke furf scenic foam. Remember, leaves only grow on the tips of the branches where the sun strikes the tree. I add coarse foam first, followed by finer texture. Spray the branches with the matte medium a second time to wet the applied "leaves". This second

wetting will help the matte medium penetrate the foliage and hold the tree together.

Be careful when you spray the tops of your trees with matte medium. The branches can hold a lot of water, and the weight can cause the smaller branches to break off. To get around this problem I build the trees a little at a time: I spray the branches, sprinkle on some foam and let the

tree dry overnight. After the matte medium dries it will strengthen the branch structure so more matte medium and foam can be added.

12. The last step is to rewet the tree foliage and sprinkle the MOCH leaves onto the top of the tree. They provide a nice texture contrast to the Hock Starf.



Flock®TirrF scenic foam is applied first with a coarse canopy for foliage body and then a fine texture for detail.



Remist the tree foliage and sprinkle the **Noch** leaves onto the top of the tree.



Noch offers 6 premium leaf tones in their **NEW Shaker Bottle Collection**.

13. Set the **SuperSage™** tree aside and allow to dry for several days before placing into your scene.

Shown left is a fine example of an urban oak tree from George Sellios' Manchester & Fairfield layout.





available in our exclusive 16 oz. bulk shaker bottle. These are the famous leaves that give the appearance of leaves glistening in the wind. Ideal for **SuperSage** as well as many other foreground purposes that require super fine detailing. Available also in traditional 6-oz. packs. (See page #14)









Shaker Bottles are 16 ounces by volume.







It is often asked "Why use ONLY Matte Medium? ... Why not thinned white glue or hair spray?" For years Matte Medium has been used extensively by professional model designers as a general all-purpose adhesive for foams, ground covers, ballast and scenic textures. Consider its many qualities:

1: Matte Medium is a synthetic acrylic-based adhesive. Acrylics are very flexible and transparent air-curing polymers. Unlike hair spray, Matte Medium will never dry out or deteriorate, will never yellow and will always remain flexible.

2: As its name implies, it has a matte or flat finish when dry. When diluted to the proper consistency, it is nearly invisible unlike white glue which leaves a stiff 'waxy' appearance over the tree.

3: Matte Medium has greater holding strength and flexibility for scenic purposes than white glue.

Falflake Foliage The genius of SILFL R has done it again! xamine this foliage a little closer and you'll realize that the flakes are actually a five lobed leaf! Never before has such foliage detail, with this many seasonal tones, been available to the average modeler. Leaf Foliage Sets include three sheets of leafy foliage on super-fine polyester support. Sheets measure 31/2" x 6" each. It is as simple to use as your regular foliage, simply cut a portion and tease apart, apply glue and drape over the scene. **Broadleaf Maple Foliage** (Shown Right) The Broadleaf Maple is perhaps the most colorful of all the maples in North America. This tree is found throughout rural countrysides. Highly prized as ornamental trees for their brilliant autumn foliage. Spring Maple Foliage Spring Maple (Right) Light green tones. SF93021 Spring Maple Foliage ...... \$23.99 Summer Maple Foliage (Right) Medium green tones. SF93022 Summer Maple ...... \$23.99 Late Summer Maple Foliage (Right) Medium green & golden tones. SF93023 Late Summer Maple ...... \$23.99 Summer Maple 🔏 Yellow Maple Foliage (Right) Yellow & gold tones. SF93024 Yellow Maple Foliage ...... \$23.99 Red Maple Foliage (Right) Red & rust tones. SF93025 Red Maple Foliage ...... \$23.99 Sycamore Foliage Late Summer Maple (Shown Left) The Sycamore, also known as the American Planetree, is found in most states. Found commonly in temperate low land areas near streams and marshland. Spring Sycamore Foliage (Left) Light green tones. Late Summer SF93321 Spring Sycamore Foliage ..... \$23.99 Summer Sycamore Foliage Yellow Maple (Left) Medium green tones. SF93322 Summer Sycamore ...... \$23.99 Late Summer Sycamore Foliage (Left) Olive green & golden tones. SF93323 Late Summer Sycamore ...... \$23.99 Autumn Sycamore Foliage (Left) Gold & brown tones. SF93324 Autumn Sycamore Foliage ... \$23.99 Red Maple Autumn Sycamore

# SILFLOR Leaf Horsetail Foliage

#### Birch 'Leaf'

Lite Summer Birch tone with fine leaf detail. Suitable for Small scales. 3 pcs. 3½" x 5¾ SF91022 ...... \$23.99

#### Beech 'Leaf'

Medium Summer Beech tone with fine leaf detail. Suitable for Small scales. 3 Pcs. 3½" x 5¾" SF92022 ...... \$23.99

#### Autumn 'Leaf'

Early Autumn Beech tone with fine leaf detail. Suitable for Small scales. 3 Pcs. 3½" x 5¾" SF92023 ...... \$23.99

## SILFLOR

Horsetail' Foliage is suspended on a nearly invisible polyester web fiber.
Unsurpassed in scale modeling. Available in seasonal color and textures.

Using Leaf Horsetail Foliage is a simple process but by following these simple steps you will produce the best tree you'll ever make.

1 & 2: Begin by cutting the foliage sheet into one inch square patches. Handle the material gently so not to flatten the loft of the material.

3: Snip randomly into the squares to separate the fibers. Snip all the way around but allowing the patches to remain as one piece. Tease and feather the material to make a branch-like limb.

4: Apply glue to tree armature.
Goo II or Web Spray works
well. Allow glue to set a
minute and begin placing
Horsetail patches at the
end of the branches in a
horizontal pattern.

**5:** By using small and frequent patches, the result will be a light and delicate appearing tree.

Visit our web site for more Tips & Techniques for using the full line of Silflor® and MiniNatur® products.





Medium Green HK1551 ...... \$7.99



Dark Green 'Leaf' HK1552 ..... \$7.99



Conifer Green HK1553 ...... \$7.99



Spring Tone 'Leaf' HK1554 ..... \$7.99



White Blossom HK1555 ...... \$7.99



**Mustard Gold** HK1556 ...... \$7.99



Amber 'Leaf' HK1557 ..... \$7.99



**Autumn Assortment** HK1558 ...... \$7.99

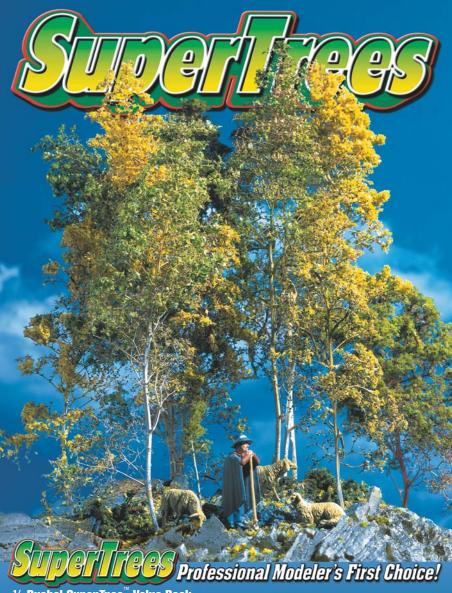


**Heki Foliage** is best when applied in multiple thin wispy layers. Dark tones first as shadow layer, then apply highlight colors on top. Cut small 1 inch square pied

- and pull apart to where it almost falls apart. Allow foliage to relax on table.
- Layer by gently placing foliage over branches. No glue is needed. Repeat to achieve desired canopy density



#### A New Generation of Scenic Foam Textures featuring a rich palette of fifty colors to satisfy the most discriminating modeler. Flock & Turf provides superior foam quality, permanent color durability and greater value. All colors are available in both a 32 oz. Shaker Dispenser, a Super Value Half-Gallon Jug and for those Really BIG Projects, a 5-Gallon Bucket at incredible savings! **Light Green FINE** EX801B Shaker Dispenser ...... \$7.49 **Light Green COARSE** EX802B Shaker Dispenser ...... \$7.49 EX802C 64 oz. ½-Gallon ...... \$13.98 **Spring Green FINE** EX810B Shaker Dispenser ......\$7.49 EX810C 64 oz. 1/2-Gallon ...... \$13.98 Spring Green COARSE EX811B Shaker Dispenser ......\$7.49 Medium Grass Green FINE EX805B Shaker Dispenser ...... \$7.49 EX805C 64 oz. ½-Gallon ...... \$13.98 **Medium Grass Green COARSE** EX806B Shaker Dispenser ...... \$7.49 Dark Forest Green FINE EX815C 64 oz. 1/2-Gallon ...... \$13.98 Dark Forest Green COARSE **EX816B** Shaker Dispenser ...... \$7.49 **Hazy Green FINE** EX817B Shaker Dispenser ......\$7.49 EX817C 64 oz. 1/2-Gallon ...... \$13.98 **Hazy Green COARSE** EX818B Shaker Dispenser ...... \$7.49 EX818C 64 oz. ½-Gallon ...... \$13.98 **Burnt Green FINE** EX812B Shaker Dispenser ...... \$7.49 EX812C 64 oz. 1/2-Gallon ..... \$13.98 **Burnt Green COARSE** EX813B Shaker Dispenser ...... \$7.49 EX813C 64 oz. 1/2-Gallon ...... \$13.98 Web Site: www.scenicexpress.com



#### ¼ Bushel SuperTree<sup>™</sup> Value Pack

SuperTree™ Material. Pack yields approximately 30-35 trees ranging from 5-8 inches. Ideal for all scales. Foliage sold separately. Illustrated instructions & tips included.

#EX0214 Value Pack ......\$24.98

#### SuperTree SuperValue Case

**OUR BEST VALUE!** Yields approximately 350-450 trees ranging from 5-8 inches. Natural unpackaged SuperTree™ Material. Foliage sold separately. Instructions included.

#EX0215 SuperValue Case ......\$110.49

#### SuperTree<sup>®</sup> Starter Kit

Start making trees Immediately! All the materials needed to produce a full variety of trees. Includes a sampler pack of SuperTree™ Material (15-18 trees), seven varieties of foliage, all the tools, applicators and detailed instructions. Available in HO/O and N-Scale.

#EX0220 SuperTree HO-Scale Starter Kit ...... \$41.98

#EX0221 Super Tree N-Scale Starter Kit ....... \$41.98





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See page	es 3-6	
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EX0242	SuperSage SuperVALUE Case	\$110.49
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See page	12	
EX0214	SuperTree Value Pack	\$24.98
EX0215	SuperTree SuperVALUE Case	\$110.49
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#### SuperSage Starter Kits See page 3

EX0243 SuperSage Starter Kit ......

See page 7

EX0010	Prepared Matte Medium – 16oz \$4.98
EX0020	Prepared Matte Medium – 1 Gal \$20.98
EX0030	Concentrated Matte Medium – 16 oz \$9.49
EX0031	Concentrated Matte Medium - 1 Gal \$56.98
EX0023	SprayMister 20 oz. Sprayer \$4.98

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Also avai	lable in 64 oz. 1/2 Gallon and 5-Gallon Buckets!
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EX818B	Hazy Green Coarse 32 oz. Shaker \$7.49
EX820B	Conifer Green Fine 32 oz. Shaker \$7.49
EX821B	Conifer Green Coarse 32 oz. Shaker \$7.49
EX822B	Moss Green Fine 32 oz. Shaker \$7.49

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EX878B	Red Autumn Fine 32 oz. Shaker	. \$7.49
EX879B	Red Autumn Coarse 32 oz. Shaker	. \$7.49
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EX845B	Soil Brown Fine 32 oz. Shaker	. \$7.49
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NH07151	<b>NEW</b> Light Green Leaf 16-oz Shaker	\$9.79
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NH07152	<b>NEW</b> Medium Green 16-oz Shaker	\$9.79
NH07146	Dark Green Leaf Small 6-oz pack	\$4.59
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#### 4/11/20

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PT0012	Zap-A-Gap Goo II 1-ounce tube \$3.99
PT0003	½ oz. CA+ Zap-A-Gap \$4.49
PT0002	1 oz. CA+ Zap-A-Gap\$7.39
PT0001	2 oz. CA+ Zap-A-Gap \$12.99

#### **ZiP KICKER Spray**

Accelerator forces Immediate Cure for all cyanoacrylates. 2 oz. ZiP KICKER New Aerosol ...... \$6.98

### **Snow Crystal**

NH08750 Snow Crystal 16 oz. ..... \$7.99 NH08100 Flock Squeeze Applicator .....



Quick Start Guide... For those of you who don't like reading directions, you can build SuperSage™ in 4 easy steps:



Prepare Sagebrush Armature. Trim the SuperSage™ into the desired tree shape. Wire cutters work best. Drill and insert brad or nail at the base. Insert in temporary styrofoam base.



Apply Branch Foliage. Glue Control fronds to the end of the **SuperSage** branches. Trim and shape unwanted foliage once glue has started to set. Apply additional foliage as needed.



Apply Leaf Canopy. Mist fronds with Matte Medium. Sprinkle fine & coarse Flocks Turf or NOCH Leaf Flake Flock.



Allow Your Finished Tree to Dry. Insert tree in styrofoam stand to dry.



Instruction Man ature's Perfect Scale Tree 

Scenic Model Landsca