

NATIVE SEEDING COST-SHARE PROGRAM

Thank you for your interest in the Village’s Native Seeding-Cost-Share Program. The program requirements are authorized by "An Ordinance Providing for Ecological Cost-Share Programs in the Village of Riverwoods" and are subject to such ordinance, as from time to time amended. Note: an Ecological Consultation and approval from the Village Ecologist is required prior to applying for the Native Seeding Program. Canopy & subcanopy tree thinning, invasive shrub removal, and/or garlic mustard removal may be required before approval to install native seed and plants. Attached you will find the Application and Contractor Specifications. **Please read all requirements carefully and complete the checklist before submitting your completed application.** The applicant must use Riverwoods approved native seed mixtures and/or plants from the attached lists. The native seed and plants can be obtained from any of the native seed and plant nurseries listed below. The Native Seeding Program is a 50/50 cost-share program. The Village’s share limit is \$2,000. There is a \$100 non-refundable application fee. Once approved for the program, the applicant is allowed to re-apply one time each fiscal year (January 1) if desired. Note: the Village will not reimburse an applicant who performs the work themselves rather than hiring a certified contractor.

The intent of the Native Seeding Program is twofold. First the Village Ecologist may require that an area be seeded with native species following garlic mustard removal or invasive shrub removal in order to prevent the reestablishment of these invasive species. Second, an applicant may wish to seed a woodland understory, prairie, or wetland depending on site conditions or following a prescribed burn. An applicant may be allowed to use Flatwoods (wet woodland) plant plugs as determined by the Village Ecologist for this difficult to establish wetland community. An assessment by the Village Ecologist of the existing conditions and preparation of a map that includes general locations of the proposed seeding and planting is required. The applicant is required to hire a certified contractor to plant the native seed and/or plants and install erosion control measures per the attached Contractor Specifications and Performance Standards.

To be eligible to participate in the program, the applicant must certify that they will comply with all requirements set forth in this packet. The property owner is responsible for property locations and staking their property lines if necessary. Note: This program does not apply to planting rain gardens or other formal gardens.

After the application is approved by the Village Ecologist, the applicant will receive a permit from the Village to proceed with the work as proposed in the Application. Once the work is completed, notify the Village and the Village Ecologist will conduct a site visit to verify the work has been completed per the approved Application, Contractor Specifications, and Performance Standards. The reimbursement request is then forwarded to the Village Board for approval. Reimbursement can be expected in 1 to 3 months following the approval of work. Note: the native seed/plant supplier may have guarantees on the survivability of seed and plant material.

Checklist for Native Seeding Program:

1. Conduct the required Ecological Consultation (to generally locate proposed plantings) with the Village Ecologist.
2. Receive cost share report with map and work specifications (completed by Village Ecologist) including Native Seeding Program information packet & application. The application form is attached but can also be obtained from Village Hall or by downloading from the Village Website.
3. Conduct canopy & subcanopy tree thinning, invasive shrub and/or garlic mustard removal (if determined necessary by the Village Ecologist) prior to seeding and/or planting.
4. Select a certified Contractor then submit completed application form & Contractor proposal/contract to Village Hall. The Village Ecologist will review the Contractor proposal/contract to make sure it conforms to the cost share report/map requirements and contact the applicant, if necessary, for clarification.

5. Select native seed mixture(s) & plants from lists provided below as determined by Village Ecologist. Native Plant plugs are only allowed for difficult to establish areas such as flatwoods (wet woodland) as determined by the Village Ecologist. All native plant plugs must be at least two year old nursery stock.
6. Prior to any significant soil disturbance, call J.U.L.I.E. locator service to locate potential utilities.
7. Receive permit from Village then hire the Certified Contractor to perform native seeding/planting per the provided cost share report map, Contractor Specifications, and Performance Standards.
8. Following completion of work, submit a copy of the paid contractor invoice to Village Hall and request a final inspection by the Village Ecologist. The Village Ecologist will inspect the work to make sure it conforms to the cost share report/map, permit, and Performance Standards. Village Staff will review the Contractor invoice and contact the applicant, if necessary, for clarification and approve the payment of reimbursement from the Village. The Village Board will then approve the reimbursement payment to the applicant within 1 to 3 months.

Native Seed & Plant Nurseries

The following table includes a partial list of native seed & plant nurseries with seed and plant materials suitable for ecological communities. It is provided as a reference, and is neither an endorsement nor a recommendation of services by the Village. The absence of a firm from the list does not constitute a negative endorsement.

<p>Applied Ecological Services: Taylor Creek Restoration Nurseries 17921 Smith Road P.O. Box 256 Brodhead, WI 53520 Phone: (608)-897-8641 restorationnurseries.com</p>	<p>Red Buffalo Nursery 5515 Hill Rd. Richmond, IL 60071 Phone: (815)-678-4848 redbuffalonursery.com</p>	<p>Possibility Place Nursery 7548 W. Monee-Manhattan Road Monee, IL 60449 Phone: (708) 534-3988 possibilityplace.com</p>
<p>Pizzo Native Plant Nursery, LLC 10729 Pine Road Leland, IL 60531 Phone: (815)-981-8000 pizzonursery.com</p>	<p>Agrecol Native Nursery 10101 N. Casey Rd. Evansville, WI 53536 Phone: (608) 223-3571 Agrecol.com</p>	<p>Genesis Nursery, Inc. 23200 Hurd Road Tampico, IL 61283 Phone: (877) 817-5325 genesisenurseryinc.com</p>
<p>Prairie Nursery, Inc. P.O. Box 306 Westfield, WI 53964 Phone: (800)-476-9453 prairienursery.com</p>	<p>Prairie Moon Nursery 32115 Prairie Lane Winona, MN 55987 Phone: (866)-417-8156 prairiemoon.com</p>	<p>Prairie Future Seed Co., LLC Tomahawk Dr Sussex, WI 53089 Phone: (262)-820-0221 Prairiefuture.com</p>

The following provides a general estimate of what the applicant can expect to spend per acre for the Village approved native seed mixtures including contractor installation costs and erosion control. Plant plug prices vary but are generally \$3 to \$5 per plug.

<u>Seeding Community</u>	<u>Cost of Native Seed (per acre)</u>
Dry-Mesic Woodland	\$4,000 - \$8,000
Flatwoods (Wet Woodland)/Floodplain	\$4,000 - \$8,000
Mesic Prairie	\$3,000 - \$6,000
Wet Prairie	\$3,000 - \$6,000

**** NATIVE SEEDINGS WILL TAKE SEVERAL YEARS TO DEVELOP****

It is extremely important to understand how native plants typically establish over the course of 3 years. Establishing native vegetation does not happen overnight. There is preparation, installation, and some maintenance. During the first and second years following a native seeding and planting, the question is always “WHERE ARE THE PLANTS? ALL I SEE ARE WEEDS!” This is where it must be understood that a “weed” to a native planting is a non-native or invasive unwanted species. During the first and second growing seasons, weeds are common and often dominate the planting. Most of these weeds however are annual or biennial plants that grow early and fast but with proper management can be controlled over the long term.

On the other hand, most native plants are either biennials (which require two seasons to flower and seed) or perennials (which continue to grow and flower year after year). Biennials typically form a low-growing rosette the first year and flower the second year. Perennials, since they depend on below-ground roots for so much of their existence, invest in large amount of time and energy in root production and may show very little above ground growth during the first and second growing seasons. The lesson here is not to get discouraged during the first and second growing seasons because the native plants usually establish during the third, fourth, and fifth growing seasons.

FLATWOODS (WET WOODLAND) & FLOODPLAIN SEED MIXTURE			
Scientific name	Common Name	Oz./Acre	Total lbs./Acre
Grasses & Sedges:			
<i>Carex grayi</i>	Common bur sedge	10.0	
<i>Carex muskingumensis</i>	Palm sedge	1.1	
<i>Cinna arundinacea</i>	Common wood reed	4.6	
<i>Glyceria striata</i>	Fowl mana grass	2.3	
<i>Elymus riparius</i>	Riverbank wild rye	34.8	
<i>Elymus virginicus</i>	Virginia wild rye	51.4	
Total Grasses & Sedges		104.2	6.5
Forbs:			
<i>Aster lateriflorus</i>	Side-flowering aster	0.7	
<i>Bidens frondosa</i>	Beggar's ticks	5.0	
<i>Campanula americana</i>	Tall bellflower	0.7	
<i>Iris virginica</i>	Blue flag iris	10.0	
<i>Lobelia cardinalis</i>	Cardinal flower	0.6	
<i>Lobelia siphilitica</i>	Great blue lobelia	0.6	
<i>Physostegia virginiana</i>	False dragonhead	2.1	
<i>Rudbeckia triloba</i>	Brown eyed susan	1.6	
<i>Thalictrum dasycarpum</i>	Meadow rue	3.8	
<i>Zizia aurea</i>	Golden Alexanders	4.4	
Total Forbs		29.4	1.8
Total Grasses, Sedges, & Forbs		133.6	8.4

MESIC TO DRY MESIC WOODLAND SEED MIXTURE			
Scientific name	Common Name	Oz./Acre	Total lbs./Acre
Grasses & Sedges:			
<i>Bromus pubescens</i>	Woodland brome	29.8	
<i>Cinna arundinacea</i>	Common wood reed	2.6	
<i>Elymus hystrix</i>	Bottlebrush grass	52.3	
<i>Elymus canadensis</i>	Canada wild rye	49.1	
<i>Elymus vilosus</i>	Silky wild rye	26.8	
Total Grasses & Sedges		160.6	10.0
Forbs:			
<i>Allium cernuum</i>	Nodding wild onion	8.5	
<i>Aquilegia canadensis</i>	Wild columbine	3.1	
<i>Aster lateriflorus</i>	Side-flowering aster	0.9	
<i>Aster saggitifolius</i>	Arrow-leaved aster	0.6	
<i>Campanula americana</i>	Tall bellflower	1.2	
<i>Echinacea purpurea</i>	Purple coneflower	9.9	
<i>Eupatorium purpureum</i>	Purple joe-pye-weed	2.3	
<i>Rudbeckia hirta</i>	Black-eyed Susan	1.0	
<i>Rudbeckia triloba</i>	Brown eyed susan	3.3	
<i>Solidago flexicaulis</i>	Broad-leaved goldenrod	0.8	
<i>Zizia aurea</i>	Golden Alexanders	5.4	
Total Forbs		37.1	2.3
Total Grasses, Sedges, & Forbs		197.6	12.4
Temporary Cover Crop:			
<i>Avena sativa</i>	Common oats	320.0	20.0

WET PRAIRIE SEED MIXTURE			
Scientific name	Common Name	Oz./Acre	lbs./Acre
Grasses, Sedges, & Rushes:			
<i>Andropogon gerardii</i>	Big bluestem	47.9	
<i>Carex comosa</i>	Bristly sedge	0.9	
<i>Carex vulpinoidea</i>	Brown fox sedge	1.0	
<i>Elymus virginicus</i>	Virginia wild rye	53.8	
<i>Juncus torreyi</i>	Torrey's rush	0.5	
<i>Panicum virgatum</i>	Switch grass	21.8	
<i>Scirpus cyperinus</i>	Wool grass	0.1	
Total Grasses, Rush, & Sedges		126.0	7.9
Forbs:			
<i>Aster novae-angliae</i>	New England aster	1.6	
<i>Asclepias incarnata</i>	Swamp milkweed	5.8	
<i>Helenium autumnale</i>	Sneezeweed	0.7	
<i>Lobelia cardinalis</i>	Cardinal flower	0.6	
<i>Lobelia siphilitica</i>	Great blue lobelia	0.6	
<i>Penstemon digitalis</i>	Foxglove beard tongue	0.9	
<i>Physostegia virginiana</i>	Obedient plant	3.1	
<i>Pycnanthemum virginianum</i>	Common mountain mint	0.2	
<i>Monarda fistulosa</i>	Wild bergamot	1.0	
<i>Ratibida pinnata</i>	Yellow coneflower	3.1	
<i>Rudbeckia hirta</i>	Black eyed Susan	1.0	
<i>Rudbeckia subtomentosa</i>	Sweet black-eyed Susan	2.3	
<i>Solidago riddellii</i>	Riddell's goldenrod	1.1	
<i>Veronia fasciculata</i>	Common ironweed	2.0	
<i>Zizia aurea</i>	Golden Alexanders	4.4	
Total Forbs		28.3	1.8
Total Gra., Sed., Rush, & Forbs		154.3	9.6
Temporary Cover Crop:			
<i>Avena sativa</i>	Common oats	320.0	20.0

MESIC PRAIRIE SEED MIXTURE			
Scientific name	Common Name	Oz./Acre	lbs./Acre
Grasses & Sedges:			
<i>Andropogon gerardii</i>	Big bluestem	39.9	
<i>Andropogon scoparius</i>	Little bluestem	37.1	
<i>Carex bicknellii</i>	Copper-shouldered oval sedge	6.5	
<i>Elymus canadensis</i>	Canada wild rye	35.8	
<i>Sorghastrum nutans</i>	Indian grass	15.4	
Total Grasses and Sedges		134.7	8.4
Forbs:			
<i>Amorpha canescens</i>	Lead plant	2.7	
<i>Asclepias tuberosa</i>	Butterfly weed	3.1	
<i>Aster novae-angliae</i>	New England aster	1.5	
<i>Echinacea pallida</i>	Pale purple coneflower	16.8	
<i>Echinacea purpurea</i>	Purple coneflower	16.5	
<i>Eryngium yuccifolium</i>	Rattlesnake master	5.4	
<i>Monarda fistulosa</i>	Wild bergamot	0.8	
<i>Penstemon digitalis</i>	Foxglove beard tongue	0.9	
<i>Petalostemum purpureum</i>	Purple prairie clover	4.4	
<i>Physostegia virginiana</i>	Obedient plant	3.5	
<i>Ratibida pinnata</i>	Yellow coneflower	2.6	
<i>Rudbeckia hirta</i>	Black eyed Susan	1.0	
<i>Rudbeckia subtomentosa</i>	Sweet black-eyed Susan	1.4	
<i>Tradescantia ohiensis</i>	Spiderwort	8.3	
<i>Zizia aurea</i>	Golden Alexanders	3.6	
Total Forbs		72.6	4.5
Total Grasses, Sedges, & Forbs		207.2	13.0
Temporary Cover Crop:			
<i>Avena sativa</i>	Common oats	320.0	20.0



Village of Riverwoods
 300 Portwine Road
 Riverwoods, IL 60015
 Phone: 847-945-3990

Native Seeding Cost-Share Program Application

Owner's Name:	Owner's Telephone:	For Village Use	Permit Number	Fee \$100	Issue Date	Exp. Date
Owner's Address:						
Contractor's Name:	Contractor's Telephone:					
Contractor's Address:						
Contractor's e-mail:						
Contact Person (normal hours and emergency):						

Attach copy of Contractor's Certificate of Insurance & Herbicide Applicators License.

Description of Planned Work

Provide a brief description of proposed work including intent or purpose (attach Program Eligibility Map/Plan if applicable)

Contractor Proposal/Contract, Invoice, & Applicant Reimbursement	For Village Use
1) Total amount invoiced by Contractor	\$
2) Total amount of Village reimbursement requested (50%: limit \$2,000)	\$

****Attach copy of executed Contractor proposal/contract and invoice**

Owner Statement of Certification and Village Approval

I, owner of the property shown on the drawing in Riverwoods, Illinois, do hereby state that I am familiar with and certify that all work will be completed in accordance with the Program Eligibility Map/Plan and Contractor Specifications.	For Village Use	

Owner Signature:	Date:	Permit Sign Off Signature:	Date:
		Performance Standard Sign Off Signature:	Date:

Owner Printed Name:	Village Final Reimbursement Approval Signature:	Date:
---------------------	---	-------

**CONTRACTOR SPECIFICATIONS FOR SOIL PREPARATION,
NATIVE SEEDING/PLANTING, & EROSION CONTROL**

PART 1. GENERAL

1.1 DESCRIPTION

- A. THIS SECTION INCLUDES PREPARATION OF SOIL, NATIVE SEEDING/PLANTING, & EROSION CONTROL.

1.2 QUALITY ASSURANCE

- A. QUALIFICATIONS OF WORKMEN: PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, WHO SHALL BE THOROUGHLY FAMILIAR WITH THIS TYPE OF WORK AND THE TYPE OF MATERIALS BEING USED. SAID PERSON SHALL BE COMPETENT AT PREPARING SOILS FOR NATIVE SEEDING AND SHALL ALSO DIRECT ALL WORK PERFORMED UNDER THIS SECTION.
- B. THE VILLAGE MUST HAVE APPROVED/PERMITTED THE PROPOSED WORK.
- C. STANDARDS: ALL MATERIALS USED DURING THIS PORTION OF THE WORK SHALL MEET OR EXCEED APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL LAWS AND REGULATIONS. THE USE OF ANY HERBICIDE SHALL FOLLOW DIRECTIONS GIVEN ON THE HERBICIDE LABEL. IN THE CASE OF A DISCREPANCY BETWEEN THESE SPECIFICATIONS AND THE HERBICIDE LABEL, THE LABEL SHALL PREVAIL.

1.3 SUBMITTALS

- A. LICENSES: PRIOR TO ANY HERBICIDE USE THE CONTRACTOR SHALL SUBMIT TO THE VILLAGE A CURRENT COPY OF THE STATE OF ILLINOIS COMMERCIAL PESTICIDE APPLICATOR'S LICENSE, WITH CERTIFICATION IN THE FORESTRY CATEGORY, FOR EACH PERSON WHO WILL BE APPLYING HERBICIDE AT THE PROJECT SITE.
- B. MATERIALS: ALL SEED SHALL BE FREE FROM INSECTS AND DISEASE. SPECIES SHALL BE TRUE TO THEIR SCIENTIFIC NAME AS SPECIFIED. ANY SUBSTITUTIONS MADE TO THE ORIGINAL NATIVE SEED MIXTURES SHALL BE APPROVED IN WRITING BY THE VILLAGE.

PART 2. PRODUCTS

2.1 MATERIALS

- A. HERBACEOUS SPECIES TO BE REMOVED IN AREAS WITHOUT STANDING WATER OR SATURATED SOILS SHALL BE TREATED WITH GLYPHOSATE, N-(PHOSPHONOMETHYL) GLYCINE, TRADE NAME ROUNDUP OR EQUIVALENT.
- B. HERBACEIOUS SPECIES TO BE REMOVED IN AREAS WITH STANDING WATER OR SATURATED SOILS SHALL BE TREATED WTH GLYPHOSATE, N-(PHOSPHONOMETHYL) GLYCINE IN A FORM APPROVED FOR AQUATIC APPLICATIONS SUCH AS RODEO, AQUA NEAT, OR EQUIVALENT.
- C. ALL NATIVE GRASS SPECIES SHALL BE SUPPLIED AS PURE LIVE SEED.
- D. NATIVE SEED OF ALL SPECIES NATIVE TO ILLINOIS SHALL BE FROM WITHIN A 250-MILE RADIUS OF RIVERWOODS UNLESS APPROVED IN WRITING BY THE VILLAGE.
- E. EROSION CONTROL (STRAW MULCH OR BLANKET) MUST BE INSTALLED PER MANUFACTURERS' SPECIFICATIONS UNLESS THE VILLAGE ECOLOGIST DEERMINES THAT EROSION CONTROL IS NOT NEEDED. STRAW MULCH OR BLANKET MUST BE USED ON SLOPES LESS THAN 5 HORIZONTAL FEET:1 VERTICAL FEET (5:1). EROSION BLANKET (NAG S75BN OR EQUIVALENT) MUST BE USED ON SLOPES GREATER THAN 5 HORIZONTAL FEET:1 VERTICAL FEET OR WITHIN AREAS WITH STANDING WATER SUCH AS FLATWOOS (WET WOODLAND).

PART 3. EXECUTION

3.1 METHOD

-
- A. PRIOR TO SEEDING AND PLANTING IN AREAS OUTSIDE OF WOODLANDS, AREAS CONTAINING TURF GRASS, OLD FIELD, OR OTHER NON-NATIVE VEGETATION SHALL BE HERBICIDED TWICE (2×) AND TILLED ONCE (1×) BETWEEN HERBICIDE APPLICATIONS UNTIL 100% OF VEGETATION IS DEAD FOLLOWING APPLICATION METHODS IN 2.1 OF THIS SECTION. NATIVE SEED AND/OR PLANTING SHALL BE DONE NO SOONER THAN 2 WEEKS AFTER THE LAST HERBICIDE TREATMENT.
 - B. PRIOR TO SEEDING AND PLANTING WITHIN EXISTING WOODLANDS, NON-NATIVE VEGETATION SHALL BE SPOT HERBICIDED AT LEAST ONE TIME (1×) UNTIL 100% OF NON-NATIVE VEGETATION IS DEAD FOLLOWING APPLICATION METHODS IN 2.1 OF THIS SECTION. NATIVE SEED AND/OR PLANTING SHALL BE DONE NO SOONER THAN 2 WEEKS AFTER THE LAST HERBICIDE TREATMENT. SEEDING IN WOODLAND AREAS SHALL BE DONE VIA HAND BROADCAST METHODS FOLLOWING A LIGHT SCARIFICATION OF THE SOIL SURFACE.
 - C. PRIOR TO SEEDING AND/OR PLANTING, CONTRACTOR SHALL CHECK COMPACTION OF TOPSOIL (0-6" DEPTH) AND NORMAL SUBSOIL DEPTH (6-12" DEPTH).
 - D. PRIOR TO SEEDING AND/OR PLANTING, AREAS DISTURBED BY CONSTRUCTION VEHICLES AND TRAFFIC SHALL BE RESTORED TO GRADE, TILLED, RAKED, AND CHECKED FOR COMPACTION.
 - E. IF AREA TO BE SEEDED WAS TREATED WITH HERBICIDE, SEEDING SHALL OCCUR NO LESS THAN TWO WEEKS AFTER HERBICIDE APPLICATION.
 - F. SEEDING SHALL BE CONDUCTED IN SPRING (APRIL-JUNE) OR AS A LATE DORMANT SEEDING (AFTER NOVEMBER 1).
 - G. PLANTING (PLANT PLUGS) SHALL BE CONDUCTED IN SPRING (MAY-JUNE) OR FALL (SEPTEMBER-OCTOBER)
 - H. ALL NATIVE SEED SHALL BE INSTALLED USING NO TILL METHODS OR BROADCAST INTO A LIGHTLY SCARIFIED SOIL SURFACE.
 - I. SEED CAN BE HAND SPREAD TO AREAS FOLLOWING A PRESCRIBED BURN AND DOES NOT REQUIRE SOIL SCARIFICATION.
 - J. EROSION CONTROL (STRAW MULCH OR BLANKET) MUST BE INSTALLED PER MANUFACTURERS' SPECIFICATIONS UNLESS THE VILLAGE ECOLOGIST DETERMINES THAT EROSION CONTROL IS NOT NEEDED. STRAW MULCH OR BLANKET MUST BE USED ON SLOPES LESS THAN 5 HORIZONTAL FEET:1 VERTICAL FEET (5:1). EROSION BLANKET (NAG S75 OR EQUIVALENT) MUST BE USED ON SLOPES GREATER THAN 5 HORIZONTAL FEET:1 VERTICAL FEET.
 - K. ALL NATIVE PLANT PLUGS MUST BE TWO YEAR OLD NURSERY STOCK OR OLDER.
 - L. ALL NATIVE PLANT PLUGS SHALL BE WATERED IN WHEN INSTALLED.
- 3.2 INSPECTION, ACCEPTANCE, AND PERFORMANCE STANDARDS
- A. FOLLOWING COMPLETION OF NATIVE SEEDING AND/OR PLANTING, THE APPLICANT SHALL SCHEDULE WITH THE VILLAGE AN ACCEPTANCE INSPECTION OF THE WORK.
 - B. PERFORMANCE STANDARDS (SEEDING): **THE CONTRACTOR GUARANTEES THAT NATIVE SEED AND/OR PLANT PLUGS ARE PLANTING AND EROSION CONTROL MEASURES INSTALLED IN ACCORDANCE WITH ALL SPECIFICATIONS IN SECTIONS 1, 2 & 3 ABOVE.**