

## Plant Data Sheet

Species *Athyrium Filix-Femina*

Lady fern



### Range

Circumpolar; Alaska to Labrador and Greenland, south in North America to Saskatchewan, Nebraska, Missouri, Illinois, Ohio, West Virginia, and North Carolina.

### Climate, elevation

Occurs along the coast and wet interior regions at all elevations.

### Local occurrence (where, how common)

Common in moist to wet forest, swamps, thickets, openings, slidetracks, stream-banks, gullies, meadows and clearings.

### Habitat preferences

Wet or damp areas such as swamps, stream banks, wet forests and in clearings such a meadows

### Plant strategy type/successional stage (stress-tolerator, competitor, weedy/colonizer, seral, late successional)

Lady Fern is relatively tolerant of sun and dry soil as compared to many other ferns.

### Associated species

*A. Goeringianum pictum*; *A. alpestre*; *A. crenatum*; *A. macrocarpum*; *A. niponicum*; *A. spinulosum*; *A. umbrosum*.

Other common names include: wood fern's wife

May be collected as: By division in the spring or spores may be sown in the summer. The spores must be fully ripe.

### Collection restrictions or guidelines

Place fronds with the spores in a paper bag and dry for a week at 21°C. Collect spores that fall into the bag. *Athyrium* can be transplanted in the spring or fall; however, division is best attempted in the spring, shortly after new growth has emerged.

### Seed germination (needs dormancy breaking?)

No seeds.

Seed life (can be stored, short shelf-life, long shelf-life)

### Recommended seed storage conditions

Spores may be stored in a dry, cool place.

Propagation recommendations (plant seeds, vegetative parts, cuttings, etc.)

Division in spring or by collecting spores in late July and August

### Soil or medium requirements (inoculum necessary?)

Moist/Well-Drained acidic soil ([www.horticulture.com](http://www.horticulture.com))

### Installation form (form, potential for successful outcomes, cost)

Division.

### Recommended planting density

Spacing 18"-24"

### Care requirements after installed (water weekly, water once etc.)

Fertilization unnecessary, keep soil moist and protect from strong wind. ([www.mrgrow.com](http://www.mrgrow.com))

### Normal rate of growth or spread; lifespan

Moderate to fast growth rate ([greenwoodnursery.com](http://greenwoodnursery.com))

### Sources cited

<http://www.rook.org/earl/bwca/nature/grass/carexros.html>

[www.horticulture.com](http://www.horticulture.com)

[www.mrgrow.com](http://www.mrgrow.com)

[www.botany.com](http://www.botany.com)

[greenwoodnursery.com](http://greenwoodnursery.com)

Pojar, Jim and Andrew MacKinnon. 1994. Plants of the Pacific Northwest Coast Washington, Oregon British Columbia & Alaska. BC Ministry of Forests and Lone Pine Publishing, Vancouver, British Columbia, Canada 527 p.

### Data compiled by (student name and date)

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