

Andrew Bay Germplasm large-glume bluegrass *Poa macrocalyx* Selected Class Release “Natural”

Uses: Revegetation Coastal Alaska

Andrew Bay Germplasm

Plant Identification Number: 9097740

Andrew Bay Germplasm large-glume bluegrass was collected on Adak Island, Alaska, October 11, 1993 (Wright, 2004).

Andrew Bay is 3 miles across on the North Coast of Adak Island in the Aleutians.

This bay's name was possibly given for Andrian Tolstyk, a merchant who was one of the first explorers of Adak Island in 1761 (Rev. Coxe, 1787, p. 79).

This native grass is a Selected Class Release by the Alaska Plant Materials Center (PMC). This means it has been grown and harvested at the PMC and continues to preserve its excellent performance.

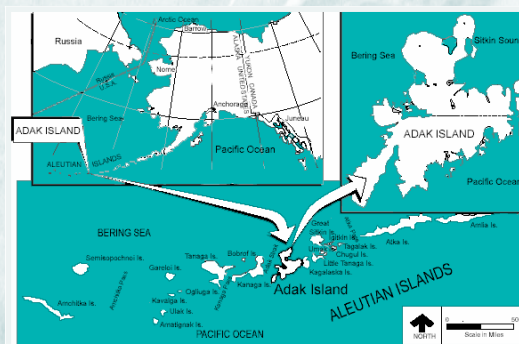
This grass is recommended for use in revegetation in coastal areas because its seedlings are vigorous and provide good plant cover.

Andrew Bay Germplasm
large-glume bluegrass seed
is maintained by the
Alaska Plant Materials Center
for commercial production.

Growth

Large-glume bluegrass is perennial. It is rhizomatous and sometimes grows in tufts. Height is between 1/2 and 4 feet with smooth, reddish leaf sheaths.

Its flowering/seed head is more compact than other *Poa*'s.



Map from Hultén, 1968.
Used with the permission of Stanford University Press.

Distribution

Poa macrocalyx is found wild in Alaska along seashores from the Panhandle to the Aleutians and along western Alaskan coastlines. It is also found in Asia (Welsh, 1974).



Andrew Bay Germplasm large-glume bluegrass

Andrew Bay Germplasm large-glume bluegrass for Alaska Revegetation Purposes

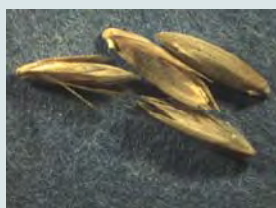
For coastal tundra and seashore revegetation with a native grass, Andrew Bay Germplasm large-glume bluegrass requires very little maintenance. It grows well on sandy beaches, marshes, slopes, and medium wet substrate.

It is useful for wildlife in that it can grow up to 4 feet, making it a good environment for birds. Bears eat its leaves and stalks (visual observation Pirogov, 2001).

As a portion of the revegetation seed mix, Andrew Bay Germplasm large-glume bluegrass can enhance the project with variety and beauty.



Andrew Bay germplasm in production at the Alaska Plant Materials Center, Palmer.



Poa macrocalyx seed.
~561,386 seeds per pound

To Produce Andrew Bay Germplasm large-glume bluegrass

Conventional farm equipment is needed. Drill it about 1/2 inch deep.

Seedling vigor is fast and good. It grows best with irrigation, cultivation of weeds, and fertilization.

Poa macrocalyx can be susceptible to powdery mildew.

Seed can be harvested easily with normal mechanical equipment.



References

Coxe, Rev. William. 1787. *Account of the Russian Discoveries Between Asia and America* [3rd Ed.]. London, T. Cadell, 454 pp.

Hultén, E. 1968. *Flora of Alaska and Neighboring Territories*. © by the Board of Trustees of the Leland Stanford Jr. University, Stanford University Press, Stanford.

Pirogov, N.G. and A.I. Zhdanov. 2001. *Some Aspects of Brown Bear Biology and Ecology (Ursus arctos)*. Sakhalin Energy Investment Co. Ltd.

USDA, NRCS National Plant Data Center, 2000. *Large-glume Bluegrass—Poa macrocalyx*, <http://plants.usda.gov>.

Welsh, S.L. 1974. *Anderson's Flora of Alaska and Adjacent Parts of Canada*. Brigham Young University Press, Provo, Utah.

Wright, S. 2004. *Personal discussion*. Alaska Department of Natural Resources, Division of Agriculture, Plant Materials Center, Palmer, Alaska.

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