



Hedgerow Farms, Inc.
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Date: 8/12/2019
Customer: ESA
Contact: Eve Pier Kieli

Project: Lower Walnut Creek Tidal Marsh Restoration

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Notes: Items with zero quantities may be added if available
 Assume hydroseeding
 65% design
 Quote updated to reflect items with good availability

Estimated Seeding Date: Fall 2020

SEED QUOTATION

MIX: Upland Grassland Seed Mix

Acres for Mix: 31

Botanical Name	Common Name	Ecotype/Origin	PLS lbs/acre	PLS lbs for area	Notes
Ambrosia psilostachya	ragweed	Sacramento River	0.00	0.00	Availability subject to change
Bromus carinatus	California brome	Arastradero Preserve, Santa Clara Co.	10.00	310.00	Good availability
Elymus glaucus	blue wildrye	Berkeley Hills, Contra Costa Co.	8.00	248.00	Cosumnes River or Yolo Bypass ecotypes may be better fit hydrologically but not geographically
Elymus triticoides	creeping wildrye	Martinez Marsh, Contra Costa Co.	4.00	124.00	Martinez marsh ecotype can be limited. May need to be supplemented with Yolo bypass if necessary.
Festuca idahoensis	Idaho fescue	Quail Ridge, Napa Co.	3.00	93.00	Good availability
Helianthus annuus	common sunflower	Contra Costa Co.	0.00	0.00	Availability subject to change
Stipa pulchra	purple needlegrass	Napa-Sonoma Marsh, Napa Co.	4.00	124.00	Good availability
Centromadia pungens	common tarweed	Alameda Co.	0.00	0.00	Very expensive and availability subject to change
Eschscholzia californica	California poppy	Calaveras Dam, Alameda Co.	2.00	62.00	Good availability
Lupinus bicolor	miniature lupine	Napa River, Napa Co.	3.00	93.00	Good availability
Lasthenia glabrata	yellow ray goldfields	Yolo Bypass, Yolo Co.	1.00	31.00	Good availability
Hordeum brachyantherum	meadow barley	Napa-Sonoma Marsh, Napa Co.	5.00	155.00	Good availability

subtotals: 40.00 1240.00
cost/acre: \$3,543.00
Subtotal for area to be seeded: \$109,833.00

***MIX: Lowland Grassland (Transitional Elevation) Seed Mix Acres for Mix: 36**

Botanical Name	Common Name	Ecotype/Origin	PLS lbs/acre	PLS lbs for area	Notes
Elymus triticoides	creeping wildrye	Martinez Marsh, Contra Costa Co.	6.00	186	Martinez marsh ecotype can be limited. May need to be supplemented with Yolo bypass if necessary.
Elymus glaucus	blue wildrye	Cosumnes River Preserve, Sacramento Co.	8.00	248	Good availability
Amsinkia menziesii	Fiddleneck	Esparto, Yolo Co.	1	31	Good availability
Centromadia fitchii	Fitch's spikeweed	TBD	0	0	Not commercially available; potential wildland collect
Hemizonia congesta subsp. luxulifolia	tarweed	TBD	0	0	Not commercially available; potential wildland collect
Frankenia salina	alkali heath	TBD	0	0	Potential addition; commercial availability varies
Madia sativa	Coast madia	TBD	0	0.00	Often not commercially available; potential wildland collect
Grindelia stricta	coastal gumweed	Napa-Sonoma Marsh, Napa Co.	2	46.50	Good availability
Hordeum brachyantherum	meadow barley	Napa-Sonoma Marsh, Napa Co.	5	155.00	Good availability
Hordeum depressum	alkali Barley	Davis Grasslands, Yolo Co.	5	155.00	Good availability

subtotals: 26.60 821.50
cost/acre: \$4,507.00
Subtotal for area to be seeded: \$162,252.00

**Quote does not include
 Tax or Shipping, Prices
 good for 30 days,
 Subject to availability**