

Air-Screen Settings (for Westrup LA/LS)

Code	Common Name	Scientific Name	Group	Pre-airscreening	Top screen	Middle screen	Sifting screen	#1 air valve	#2 air valve	#3 air valve	Notes
AMOCAN	leadplant	<i>Amorpha canescens</i>	legumes	Brush to dehull	2.2	2	1	4	2	2.5-3	Settings for dehulled
AMOFRU	false indigo bush	<i>Amorpha fruticosa</i>	legumes	Brush to dehull	4	2.8	1.2	3	2	4	Brushed material must be dried (fan) for several days before screening; oily pods are very sticky
ANDGER	big bluestem	<i>Andropogon gerardii</i>	warm season grasses	Debeard or brush	4	1.6 slot/3.6	0.8 slot	1	1.75	1.75	Indent to remove foxtail
ANECAN	Canadian anemone	<i>Anemone canadensis</i>	forbs	1/2" mesh	5.5	1.4 slot	3	3	2	2.25	Indent removes brome
ANECYL	candle anemone	<i>Anemone cylindrica</i>	forbs	Brush	5	2.8	1	5	2.25	1.25	
ARTLUD	white sagebrush	<i>Artemisia ludoviciana</i>	forbs	Brush	1.0	0.8	0.35	4	1.5	2	
ASCINC	swamp milkweed	<i>Asclepias incarnata</i>	forbs	Unbrushed	6.5	6	2	0	0.5	0	
ASCINC	swamp milkweed	<i>Asclepias incarnata</i>	forbs	Brush	4.4/3.6	3.6/1.2 slot	2	4	3	1	
ASCSYR	common milkweed	<i>Asclepias syriaca</i>	forbs	Shopvac excess fluff	7	6.5	3	3.5	3.5	1.5	
ASCTUB	butterfly milkweed	<i>Asclepias tuberosa</i>	forbs	Unbrushed	5.5	5	2	2	1	3	Airscreen 2x and/or indent
ASCTUB	butterfly milkweed	<i>Asclepias tuberosa</i>	forbs	Brush	6	5.5	3	4	3	.75-1.5	Airscreen 2x
ASCVER	whorled milkweed	<i>Asclepias verticillata</i>	forbs	Unbrushed	4	.9 slot	1	4	3	1.5	
ASCVER	whorled milkweed	<i>Asclepias verticillata</i>	forbs	Brush	3	.9 slot	1	4	3	1.5	
ASTCAN	Canadian milkvetch	<i>Astragalus canadensis</i>	legumes	Brush	2.5	1.8	1	3	2	3	
BAPALB	largeleaf wild indigo	<i>Baptisia alba</i> var. <i>macrophylla</i>	legumes	Brush	4.8	4.4	2.4	5	6	4-4.5	
BAPBRA	longbract wild indigo	<i>Baptisia bracteata</i> var. <i>leucophaea</i>	legumes	1/4" mesh	4.5	4.0	2.4	2-5	2	4.0-4.5	
BOUCUR	sideoats grama	<i>Bouteloua curtipendula</i>	warm season grasses	1/2" mesh, NO BRUSH	6	5.5/2.8 slot	0.6 slot	4	2.5	1	Indent to remove foxtail
BRIEUP	false boneset	<i>Brickellia eupatorioides</i>	forbs	Brush	1.2 slot	2.0	0.5	5	2	1.25	Airscreen 2-3x
BROKAL	arctic brome	<i>Bromus kalmii</i>	cool season grasses	Brush	6.0	3.6	1.6	2	1.5	0.75	Some seed sticks on sifting screen
BROPUB	hairy woodland brome	<i>Bromus pubescens</i>	cool season grasses		7	2.6 slot	1	4	2	1.5	
CALCAN	bluejoint	<i>Calamagrostis canadensis</i>	cool season grasses	Brush	1	0.8	0.5	3	0.5	0.5	
CARANN	yellowfruit sedge	<i>Carex annectens</i>	sedges and rushes		2.6/2.4	2.4/2	0.9	3	1	1-1.5	Airscreen 2x
CARBEB	Bebb's sedge	<i>Carex bebbii</i>	sedges and rushes		2.6/1.6	2/.6 slot	0.9	3	1	.5-1	Airscreen 2x; reduce flow speed with .6 slot
CARBIC	Bicknell's sedge	<i>Carex bicknellii</i>	sedges and rushes		4/1.8 slot	3.8	1.4	3	1	1	Airscreen 2x; increase air on second run
CARBRE	shortbeak sedge	<i>Carex brevior</i>	sedges and rushes	brush	3.2/3	3/1.2 slot	1.2	3	1	2	Airscreen 2x
CARBUX	Buxbaum's sedge	<i>Carex buxbaumii</i>	sedges and rushes		2.6	2.4	1	3	1	0.5	Airscreen 2x
CARCRI	crested sedge	<i>Carex cristatella</i>	sedges and rushes	Brush	2.2/.8 slot	2/.6 slot	0.8	3	1	0.5-1	Airscreen 2x
CARGRA	heavy sedge	<i>Carex gravida</i>	sedges and rushes		3.4	3.2	0.9	3	1	1	Airscreen 2x
CARHYS	bottlebrush sedge	<i>Carex hystericina</i>	sedges and rushes		2.6	2.2	0.9	3	1	2	Airscreen 2x
CARLAE	smoothcone sedge	<i>Carex laeviconica</i>	sedges and rushes		3.6	2.8 slot	1.4	3	1	2	
CARMOL	troublesome sedge	<i>Carex molesta</i>	sedges and rushes		3.6/3.2	3.2/.09 slot	1.5	3	1	1	No brush
CARSCO		<i>Carex scoparia</i>	sedges and rushes	hand thresh, 1/4" mesh	3.0/2.5	2.4	1.2	2	1	1	
CARSTR	upright sedge	<i>Carex stricta</i>	sedges and rushes		2.6/2.4	2.4/2	0.9	3	1	1-1.5	Airscreen 2x
CARSUB	prairie straw sedge	<i>Carex suberecta</i>	sedges and rushes		3.2/3	3/2.8	1.2	3	1	1	Airscreen 2x

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CARTRI	blunt broom sedge	<i>Carex tribuloides</i>	sedges and rushes		2.4/2.2	2.2/.8 slot	1.1	3	1	1	Brush unthreshed perigynia
CARVUL	fox sedge	<i>Carex vulpinoidea</i>	sedges and rushes		2/1.8	1.8/.8 slot	0.8	3	1	1	Airscreen 2x
CHEGLA	white turtlehead	<i>Chelone glabra</i>	forbs	1/4" mesh	3.2/2.2	3.0/1.8	1	1	0.5	1	handscreen first
CORPAL	stiff tickseed	<i>Coreopsis palmata</i>	forbs	1/4" mesh, brush	1.4 slot/3.5	1.0 slot	1.4/2.0	3	1	1.5	Indent 3.5 cyl, 2.5 vibration, 5.0 rpm, 3.5 trough
CORTRI	tall tickseed	<i>Coreopsis tripteris</i>	forbs	1/4" mesh, brush	1.8slt/1.4slt	1.4 slot/1.2	0.9	3	1	1.5	Settings for brushed seed
DALCAN	white prairie clover	<i>Dalea candida</i>	legumes	Brush	3.0/2.0	1.5/1.2	0.8/0.7	7	2	3	
DALPUR	purple prairie clover	<i>Dalea purpurea</i>	legumes	Brush	3	1.7	0.9	4	2	3-4	1.7/1.6/1.0 might help remove foxtail or use velvet roller mill
DESCAN	showy ticktrefoil	<i>Desmodium canadense</i>	legumes	Brush	3	2.8	1.2	4	2	3.5-4.0	
DESILL	Illinois ticktrefoil	<i>Desmodium illinoense</i>	legumes	Brush (beaters)	3	2.8	1.2	4	2	3.5-4.0	
DOEUMB	parasol whitetop	<i>Doellingeria umbellata</i>	forbs	1/4" mesh, brush, fan winnow	3.0/2.0	0.9 slot/1.6	0.8	4	1	2.5	Airscreen 2-3x, indent to remove sticks; reduce sifting screen or save and rescreen that fraction
DRYARG	tall cinquefoil	<i>Potentilla arguta subsp. arguta</i>	forbs		1.5/1.2	1.2/.8 slot	0.7	3	2	.5-.75	Airscreen 2x
ECHPAL	pale purple coneflower	<i>Echinacea pallida</i>	forbs	1/4" mesh	4/3.8	3.6	1.7/2.6	4	2	2-2.5	Airscreen 2x
ELYCAN	Canada wildrye	<i>Elymus canadensis</i>	cool season grasses	Debeard	4.4	3.6	1.2	6	2	2.5	Indent to remove foxtail
ELYVIL	hairy wildrye	<i>Elymus villosus</i>	cool season grasses	Brush	3.2	1.2 slot	.6 slot	4	2	1.5	
ELYVIR	Virginia wildrye	<i>Elymus virginicus</i>	cool season grasses	Brush	6/2.8 slot	2.4 slot	1.9	5	2.5	1	Indent to remove foxtail
ERYYUC	button eryngo	<i>Eryngium yuccifolium</i>	forbs	1/4" mesh	5	3.6	1.6-1.4	3	2	2-2.5	Airscreen 2x
EUPCOR	flowering spurge	<i>Euphorbia corollata</i>	forbs	1/4" mesh	4.5	2.2	1.4	4	2	3/4	Some unbroken capsules come off second screen but few contain mature seed
EUPPER	common boneset	<i>Eupatorium perfoliatum</i>	forbs	1/2+1/4" mesh, brush	2.0/1.0	0.6 slot/1.1	0.5/0.6	4	1	2.25	Airscreen 2x
EUTGRA	flat-top goldentop	<i>Euthamia graminifolia</i>	forbs	Brush	1/.8	.6 slot/.7	0.5	7.5	1	0.5	Airscreen 2x
EUTMAC	spotted joe pye weed	<i>Eutrochium maculatum</i>	forbs	1/2+1/4" mesh, brush	2	0.6 slot/1.5	0.5/0.7	4	1.5	1.75	Airscreen 2x with slotted middle screen; then again with round
FRAVIR	Virginia strawberry	<i>Fragaria virginiana</i>	forbs	blend with 3 parts water, allow seed to settle out, pour off pulp, dry seed on cloth with fan	2.0	1.4	0.7	3	2	2	Rub apart any dried clumps of seed, then rescreen
GENAND	closed bottle gentian	<i>Gentiana andrewsii</i>	forbs	1/8" mesh	1.4	.6 slot	0.7	0	0	0.75	Static buildup, remove shaker balls!
GLYLEP	American licorice	<i>Glycyrrhiza lepidota</i>	legumes	Brush (beaters), 1/8" mesh							
GLYSTR	fowl mannagrass	<i>Glyceria striata</i>	cool season grasses		1.5	1.4	0.6	3	1	1	check for seed on 2nd screen
HELAUT	common sneezeweed	<i>Helenium autumnale</i>	forbs	Brush	1.0	.6 slot/1.0	0.5	4.5	2	2.25	save and rescreen fraction from 2nd screen
HELPAU	stiff sunflower	<i>Helianthus pauciflorus</i>	forbs	1/4" mesh, brush	3.6	3.2	1.6	5	2	2	follow up with Dakota blower, lighter seed often contains larvae
HELHEL	smooth oxeye	<i>Heliopsis helianthoides</i>	forbs	1/4" mesh	4	2.7	1.4-1.7	5	2.5	2.5	
HESSPA	porcupine grass	<i>Hesperostipa spartea</i>	warm season grasses	Brush	2.6	1.8 slot	0.8 slot	4	2	2	

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JUNDUD	Dudley's rush	<i>Juncus dudleyi</i>	sedges and rushes	Brush	1.0	0.5	0.35	4-5	1.5	1.5-2	Small but healthy looking seed goes through sifting screen; airscreen repeatedly to remove dust
KOEMAC	prairie Junegrass	<i>Koeleria macrantha</i>	cool season grasses	Brush	1.6 slot/2.8	.8 slot	0.5	1.5	0.5	.5-1.5	Round top screen on second pass removes more inert material
LESCAP	roundhead lespedeza	<i>Lepedeza capitata</i>	legumes	Brush	3.5	2	1.2	4	4	2.5	
LIAASP	tall blazing star	<i>Liatris aspera</i>	forbs	1/2" mesh, brush, fan winnow	2.8	2.4	1.2/1.0	6	2	1.5-2.25	Airscren 2x, indent (3.5) to remove shorter weed seeds
LIALIG	Rocky Mountain blazing star	<i>Liatris ligulistylis</i>	forbs	1/4" mesh, brush, fan winnow	3.5	2.2	.6 slot	5	2	2	Airscren 2-3x, indent (3.5) to remove shorter weed seeds
LIAPYC	prairie blazing star	<i>Liatris pycnostachya</i>	forbs	1/2" mesh, brush, fan winnow	3.0	2.2	0.8 slot	6	2	2	Airscren 2-3x, indent (3.5) to remove shorter weed seeds
LOBCAR	cardinalflower	<i>Lobelia cardinalis</i>	forbs	1/8" mesh	2.0/1.0	0.6	0.35	4	0.5	1	Airscren 2x
LOBSIP	great blue lobelia	<i>Lobelia siphilitica</i>	forbs	1/8" mesh, brush if handpicked	2.0/1.0	0.7	0.35	4	1	1.75	Airscren 2x
LYCAME	American water horehound	<i>Lycopus americanus</i>	forbs	1/8" mesh, brush if handpicked	2.0/1.5	1.4/1.3	0.6	2	1	1-2.5	Airscren 2-3x
LYSQUA	fourflower yellow loosestrife	<i>Lysimachia quadriflora</i>	forbs	1/4" mesh	2.0	1.2	0.8	4	1.5	2.5	Indent before airscreening? Save uncrushed capsules and brush to capture seed.
LYTALA	winged lythrum	<i>Lythrum alatum</i>	forbs		0.7	0.5	solid screen	2	1	0.5	tiny seeds
MONFIS	wild bergamot	<i>Monarda fistulosa</i>	forbs	1/4" mesh	1.5	1.2	0.7	3	2	1.5	Airscren 2x
MONPUN	spotted beebalm	<i>Monarda punctata</i>	forbs	1/4" mesh/brush	2.0/2.0	1.2	0.6	6	2	2	Airscren 2x, second screening removes lambsquarters
MUHRAC	marsh muhly	<i>Muhlenbergia racemosa</i>	warm season grasses	Brush	1	0.9	0.5	0.5	0.5	0.5	
PACPAU	balsam ragwort	<i>Packera paupercula</i>	forbs		3	1.1	0.35	6	1.5	0.5-1	
PANVIR	switchgrass	<i>Panicum virgatum</i>	warm season grasses		3/1.8	2/1.6	0.9/1.0	4	1	2	Second settings help remove foxtail
PARINT	wild quinine	<i>Parthenium integrifolium</i>	forbs	1/2" mesh, brush	3.4	2.8	1.3	4	2	1-2	Airscren 2x
PEDCAN	Canadian lousewort	<i>Pedicularis canadensis</i>	forbs	1/4" and 1/8" mesh, brush	2.0	1.5	0.7	3	2	2.5	Airscren 2x
PEDLAN	swamp lousewort	<i>Pedicularis lanceolata</i>	forbs	combined, 1/4" mesh	3.0/2.5	1.8	0.8	4	1.5	1.75/2.5	Airscren 2x; cyclone fills fast
PRUVUL	lance selfheal	<i>Prunella vulgaris ssp. lanceolata</i>	forbs	brush	1.5	1.2	0.7	3	2	1.5	
PYCPIL	whorled mountainmint	<i>Pycnanthemum verticillatum var. pilosum</i>	forbs	1/4" mesh	1.1	0.8	0.5	4	2	2	Airscren 2x
PYCTEN	narrowleaf mountainmint	<i>Pycnanthemum tenuifolium</i>	forbs	1/4" mesh	1.1	1	0.5	3	1	0.5	Airscren 2x
PYCVIR	Virginia mountainmint	<i>Pycnanthemum virginianum</i>	forbs	1/4" mesh	1.2	1.1	0.5	4	2	1	Airscren 2x
RATPIN	pinnate prairie coneflower	<i>Ratibida pinnata</i>	forbs	1/4" mesh	3	2	1.2	4.5	1.5	1.75	Airscren 2x
ROSARK	prairie rose	<i>Rosa arkansana</i>	shrubs	Brush (beaters)	5.0	4.4	1.8	3.0	3.0	3-5	Re-run aspiration output, increasing air each time
RUDSUB	sweet coneflower	<i>Rudbeckia subtomentosa</i>	forbs	1/4" mesh	1.5	.8 slot/1.4	0.7	2.5/3	2	1.5/2	Airscren repeatedly; feed seed slowly; rescreen seed from second screen
RUEHUM	fringeleaf wild petunia	<i>Ruellia humilis</i>	forbs	Brush	4/3.8	3.8/1.4 slot	2.6/2.6	4	1	2.5-3.0	Airscren 2x
SCHSCO	little bluestem	<i>Schizachyrium scoparium</i>	warm season grasses	Debeard	4	1.6 slot	0.6 slot	2	1	2.5	Indent (3.5 cyl, 3.0 rpm) to remove foxtail

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SCIATR	green bulrush	<i>Scirpus atrovirens</i>	sedges and rushes	Brush	1/.8	.7/.6 slot	0.5	1	0.5	2	Aspirate sieved material for seed
SCICYP	woolgrass	<i>Scirpus cyperinus</i>	sedges and rushes	Brush	1/.8	.7/.6 slot	0.5	1	0.5	2	Aspirate sieved material for seed
SILINT	wholeleaf rosinweed	<i>Silphium integrifolium</i>	forbs	1/2" mesh/brush	8	7	2.4	2	2	2	Airscreen repeatedly
SILLAC	compassplant	<i>Silphium laciniatum</i>	forbs	1/2" mesh/brush	14.0 slot	10	4.4	2	2	2.5	Airscreen repeatedly
SOLMIS	Missouri goldenrod	<i>Solidago missouriensis</i>	forbs	brushed	0.7	.6 slot	0.5	4	1	1	
SOLNEM	gray goldenrod	<i>Solidago nemoralis</i>	forbs	1/4" mesh/brush	1	.6 slot	0.5	4	1	1-1.5	Airscreen 2x
SOLRID	Riddell's goldenrod	<i>Oligoneuron riddellii</i>	forbs	brush	1.2	.9 slot	0.5	4	1	1.25	
SOLRIG	stiff goldenrod	<i>Oligoneuron rigidum</i>	forbs	1/2" mesh /brush	3/1.8	1.8/1 slot	0.6	4	1	2.25	Airscreen 2x
SOLSPE	showy goldenrod	<i>Solidago speciosa</i>	forbs	1/4" mesh/brush	1	.6 slot	0.5	4	1	1-1.5	Airscreen 2x
SORNUT	Indiangrass	<i>Sorghastrum nutans</i>	warm season grasses	Debeard	4	3.4	0.6 slot	1	0.75	1.75-2.25	Indent to remove foxtail
SPAPEC	prairie cordgrass	<i>Spartina pectinata</i>	warm season grasses		7/1.8 slot	1.8slot/1.4slot	2/0.6 slot	3	1.5	1.5-2.0	
SPIALB	white meadowsweet	<i>Spiraea alba</i>	shrubs	1/4" mesh	2.00/1.30	1.00/.90	0.30	2	1	1.5	final cleaning with #30/#40/#50 soil sieves and Dakota blower to 3cm
SPOCOM	composite dropseed	<i>Sporobolus compositus</i>	warm season grasses	1/4" mesh/brush	2.4	1.4	0.7	6.5	4	2	Cleans up better if brushed first
SPOHET	prairie dropseed	<i>Sporobolus heterolepis</i>	warm season grasses	1/4" mesh	4	3.2	1.3	2	2.5	2.5	
SYMERI	white heath aster	<i>Symphyotrichum ericoides</i>	forbs	Brush, fan winnow							
SYMLAE	smooth blue aster	<i>Symphyotrichum laeve</i>	forbs	Brush, fan winnow	3.0/1.6 slot	0.9 slot/1.4	0.7	6	1.5	2	Airscreen 2x
SYMNOV	New England aster	<i>Symphyotrichum novae-angliae</i>	forbs	Brush, fan winnow	1.6 slot	.8 slot	0.6	4	1	1.0-2.0	Airscreen 2x
SYMOOL	skyblue aster	<i>Symphyotrichum oolentangiense</i>	forbs	Brush, fan winnow, 1/8" mesh	1.6 slot/1.2	.8 slot/.6 slot/ 1.3	0.7	4	1.5	2.0/2.25	Airscreen 2x-3x
SYMPRA	willowleaf aster	<i>Symphyotrichum praealtum</i>	forbs	1/4"mesh/brush	1	0.8/0.6	0.5	4.5	1	1.5	
TEUCAN	Canadian germander	<i>Teucrium canadense</i>	forbs	brush	3.0	2.8	1.1	4	2	3	
TRABRA	longbract spiderwort	<i>Tradescantia bracteata</i>	forbs	1/4" mesh	3.4	2.8	1.3	6	2	2.5	
TRAOHI	bluejacket	<i>Tradescantia ohiensis</i>	forbs	1/4" mesh	3.4	2.8	1.3	6	2	3	
VERBAL	Baldwin's ironweed	<i>Vernonia baldwinii</i>	forbs	1/4" mesh	2.8/2.0	2.4/.9 slot	.5/.6 slot	4	2	.5-1	Airscreen 2x, similar in size to LIAASP
VERFAS	prairie ironweed	<i>Vernonia fasciculata</i>	forbs								
VERHAS	blue vervain	<i>Verbena hastata</i>	forbs	hand thresh intact seedheads, 1/8" mesh	2.0	.6 slot/1.3	0.5	4	1.5	2.5	cyclone fills fast
VERVIR	Culver's root	<i>Veronicastrum virginicum</i>	forbs	1/4" mesh	0.9	0.7/0.6	0.35	2	1	2	Airscreen 2x
ZIZAPT	meadow zizia	<i>Zizia aptera</i>	forbs	1/4" mesh	3.5	3	1	5.5	2.5	1.5-2	Airscreen 2-3x
ZIZAUR	golden zizia	<i>Zizia aurea</i>	forbs	1/4" mesh	4	3	1.2	6.5	2.5	1.5-2	