

Grass Seed Production Nurseries

The grass seed production nurseries at either Madras or Redmond never really got off the ground.

The Madras nursery was never a "research" stand, spotty to begin with, and when it became necessary to recorrugate, some rows were badly damaged. The Madras location was further hurt in 1967 by the lack of early irrigation. The heat during early July took a further toll.

The Madras nursery will be torn up during 1968 and, if sufficient water is available, reestablished in a new field.

The original Redmond seeding was damaged by rabbits and harvester ants and was top-seeded, but still lacked the uniformity necessary for accurate measurements of seed yield.

These trials were allowed to remain and harvested for the purpose of gaining information on the best methods of handling grass seed nurseries in Central Oregon, and to determine if there was any possibility of growing grasses for seed in the Redmond area. It would appear that at least the later maturing grasses could be grown for seed in the Redmond area and possibly even some of the bluegrasses. However, frosts present a problem. In 1966, the bluegrass seed yields were reduced to practically nothing by frost injury.

The yields obtained in 1967 from these two locations are shown in Tables No. 18 and 19.

Some varieties such as the foxtails and Russian wild rye, will require special threshing and cleaning equipment for successful evaluation of yield. Possibly the same delinting equipment used on Merion bluegrass would suffice to delint foxtail and remove the awns from Russian wild rye.

Table No. 18

Seed Yields of Several Varieties of Grasses
Grown on the Madras Location of the
Central Oregon Experiment Station - 1967

Yield	Ave. Yield Lbs/Acre	Bushel Weight	Remarks
Kentucky Bluegrass			
NK Code 95	338.2	20.00	
Merion	246.7	18.00	
Newport	652.8	21.00	
Trifolium Denmark No. 02346	357.0	22.00	
Trifolium Denmark No. 02988	127.5	20.00	
NK AN -783-No. 6	97.9	22.00	
NK Code 73	436.9	21.75	
C. B. Holland	259.0	21.25	
K5 (47) Penn	224.3	21.00	
Creeping Foxtail *			
P11	181.5	18.00	45% shattered
Garrison	69.6	19.00	50% shattered
Meadow Foxtail *	202.3	19.25	75% shattered
Smooth Gromegrass			
Saratoga	162.3	20.50	
Southland	297.0	20.00	
Manchar	287.8	20.00	
Intermediate Wheatgrass			
Greenar	60.8		
Timothy			
Essex	40.4		
Climax	172.3		
Clair	259.8		
Wisc. T	121.1		
Orchard Grass			
S 37	196.7	15.00	
Commercial	167.9	19.00	
Rideau	194.3	15.00	
Pennlate	225.9	15.00	
Wisc. 52	167.9	16.00	
Masshardy	139.1	14.00	
Sterling	186.3	18.00	
Latar	219.5	17.00	
Boone	164.7	18.00	
Danish F.C. 36105	188.3	22.00	
Combination J	119.9	16.00	
Chinook	222.3	17.00	
S143	147.5	17.00	
Frode	267.4	15.00	
(continued)			

Madras Grasses Continued

Yield	Ave. Yield Lbs/Acre	Bushel Weight	Remarks
Perrenial Ryegrass			
S143 Old Type	584.0	20.00	
Commercial	624.4	22.25	
Tall Fescue			
Ky Syn Z (Palatable)	182.7	19.00	
Ky 45-50	219.1	20.50	
Syn. E	231.5	20.50	
240x241	183.1	18.00	
Syn. L	291.4	19.00	
Syn. I	285.4	21.50	
Syn. 1000	282.62	21.50	
Alta	188.68	18.50	

* Cleaning of the seed practically impossible
with the equipment available.

Table No. 19

Seed Yield of Several Varieties of Grasses
Grown on the Redmond Location of the
Central Oregon Experiment Station - 1967

Yield	Ave. Yield Lbs/Acre	Bushel Weight	Remarks
Tall Fescue			
Alta	113.5	12.50	
240x241	39.18		
Syn. L	100.3	11.50	
Syn. E	47.2	17.00	
Syn. I	83.6	13.50	
Syn. 1000	265.0	15.25	
Orchard Grass			
Rideau	158.7	14.00	
Wisc. 52	96.7	14.00	
Masshardy	224.7	13.50	
Pennlate			No seed produced
Later	99.1	13.50	
Boone	62.4		
S143	76.4	12.00	
Timothy			
Climax	86.8		
Clair	44.2		
Common	102.7		
Smooth Bromegrass			
Manchar	179.5	19.00	
Meadow Foxtail			
Common	43.2		
Creeping Foxtail			
Garrison			No seed produced
Russian Wild Rye	124.3	14.00	
Kentucky Bluegrass			
Newport	578.8	21.00	
Merion	175.5	16.00	
Code 95	265.4	21.50	
Common	435.7	20.00	
Tall Wheatgrass	90.0	13.00	
Pubescent Wheatgrass			
Topar	173.9	18.00	
Sheep Fescue	61.83	14.00	
Hard Fescue	19.19		
Streambank Wheatgrass			No seed produced
Siberian Wheatgrass	319.8	19.50	
Crested Wheatgrass			
Nordan	532.1	22.25	
Intermediate Wheatgrass			
Greenar	133.9	16.00	