

Note: This sheet contains 2012 updates from the TIIP model
 Completed for the committee reviewing Breeding subprogram procedures

Sum of average planting for SPU ranked 1 and 2 as a % of total planting = 88%

Seed Planning Unit Evaluation of Priority for Investment based on Strategic Planning Committee Criteria

December, 2012 - Updated in TIIP using 5-year averages for 2008 to 2012 sowing years and wood values (centered on \$116/m3 in MFR State of Forest Report).

Discount rate 4% Adjacency percentage used 0.00% (no value given for adjacency)

Program categories:	1. Proceed with advanced generation breeding and orchards 2. First generation program only; complete 1st gen testing and orchard development 3. Pre-breeding research 4. No genetics work	Weighted Mean Tree Improvement Score for the SPU: The weighted mean tree improvement score for the SPU is the mean score weighted by the following for each criteria.																			
Criteria for program categorization (10 = very high; 1 = very low):	A. NPV Increm. NPV from TIIP model; scores = 10 x (SPU NPV) ^{.5} / (NPV for highest SPU) ^{.5} ; neg. NPV = 0 B. Technical feasibility for breeding Biological feasibility and probability of success of a breeding program based on other programs, etc. C. Delivery feasibility Relative orchard cost based on est seedl. / ha / yr scaled using 10 * sq rt value / sq rt max value D. TSR value to mgt. units Value of timber supply gains in the mgt. units based on existing timber supply analyses, adjacency limits, etc. E. Climate change Expected relative change in range size by 2025 based on climate change F. Opportunities Specific opportunities for higher gains through pest breeding, clonal deployment, etc.)																				
		<table border="1"> <thead> <tr> <th>Criteria</th> <th>Weighting</th> <th>NOTES:</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>0.5</td> <td rowspan="6">Weighting shown were agreed to by the Ranking Committee (Dec. 09)</td> </tr> <tr> <td>B</td> <td>0.1</td> </tr> <tr> <td>C</td> <td>0.1</td> </tr> <tr> <td>D</td> <td>0.15</td> </tr> <tr> <td>E</td> <td>0.1</td> </tr> <tr> <td>F</td> <td>0.05</td> </tr> <tr> <td colspan="2" style="text-align: center;">total</td> <td>1</td> </tr> </tbody> </table>	Criteria	Weighting	NOTES:	A	0.5	Weighting shown were agreed to by the Ranking Committee (Dec. 09)	B	0.1	C	0.1	D	0.15	E	0.1	F	0.05	total		1
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Seed planning unit				VALUE INPUTS			INFORMATION		CRITERIA FOR PROGRAM CATEGORIZATION						SCORES			RANK
SPU #	Spp.	SPZ	Elev. band (m)	Increm. NPV mm\$	Incr. NPV rank	Total NPV mm\$	5-yr. ann. planting (million)	Adjacency benefit included	A. NPV Score	B. Breeding feasibility	C. Delivery feasibility	D. TSR value	E. Climate change	F. Oppor-tunities	Wtd. Mean TI Score	Program category	Cummulative % prov. planting	
1	Fdc	M low (south)	1-899	\$144.1	1	\$608.7	13.1	N	10.0	7	3.5	0.8	4	7	6.9	1	5%	1
12	Pli	PG low	700-1599	\$64.4	2	\$196.9	29.6	N	6.7	8	3.4	6.5	2	9	6.1	1	17%	2
17	Pli	BV low	700-1399	\$32.2	3	\$123.0	21.4	N	4.7	8	3.4	10.0	3	7	5.6	1	26%	3
14	Sx	PG low	600-1399	\$25.0	4	\$246.8	28.2	N	4.2	10	7.6	6.3	3	9	5.5	1	38%	4
4	Sx	NE mid	1000-1699	\$11.7	7	\$54.9	6.2	N	2.8	10	7.6	1.1	10	9	4.8	1	40%	5
2	Cw	M low (all lat.)	1-699	\$10.4	8	\$97.9	6.2	N	2.7	8	10.0	1.0	4	9	4.2	1	43%	6
7	Pli	NE low	700-1599	\$12.2	6	\$47.3	3.2	N	2.9	8	3.4	0.9	10	9	4.2	1	44%	7
13	Lw	NE	700-1599	\$6.7	11	\$54.7	2.6	N	2.2	9	8.8	0.7	8	8	4.2	1	45%	8
18	Pli	CP low	700-1299	\$14.0	5	\$87.0	10.45	N	3.1	8	3.4	2.2	3	7	3.7	1	49%	9
30	Sx	TO low	700-1499	\$0.4	29	\$10.4	2.5	N	0.5	10	7.6	4.8	4	8	3.6	1	50%	10
10	Pli	TO low	700-1399	\$10.0	9	\$40.4	6.8	N	2.6	8	3.4	1.5	4	9	3.5	1	53%	11
28	Sx	TO high	1500-2100	\$0.8	24	\$10.5	4.6	N	0.8	10	7.6	5.4	1	7	3.4	2	55%	12
35	Sx	BV low	500-1399	\$1.6	19	\$87.2	9.3	N	1.1	10	7.6	3.2	2	8	3.4	2	59%	13
21	Fdi	NE low	400-1199	\$4.2	13	\$36.0	2.4	N	1.7	8	4.0	1.0	8	8	3.4	1	60%	14
42	Sx	PG high	1200-1550	\$0.5	27	\$8.0	2.4	N	0.6	10	7.6	3.4	3	7	3.2	2	61%	15
54i	Alder	M low (incr)	1-600	\$4.4	12	\$9.5	1.0	N	1.8	7	7.0	1.0	4	6	3.1	2	61%	16
69	Cw	S. Int. (all)	600-1200	-\$0.9	43	-\$0.9	1.3	N	0.0	8	10.0	1.0	8	6	3.0	2	62%	17
41	Fdi	PG	700-1199	\$0.6	26	\$12.0	1.7	N	0.6	8	4.0	5.6	4	6	3.0	2	62%	18
72	Pwc	Cst (PEST) (incr.)	0-1000	\$3.7	15	\$25.9	Est. 1.5 mrr	N	1.6	6	4.9	1.0	5	9	3.0	1	62%	19
53	Fdi	TO high	1100-1600	\$2.1	17	\$2.1	1.9	N	1.2	8	4.0	1.5	7	6	3.0	2	63%	20
16	Pli	TO high	1400-1600	\$8.2	10	\$53.1	11.2	N	2.4	8	3.4	1.6	1	6	3.0	2	68%	21
63	Fdi	BB/CHL	all	-\$1.9	56	-\$1.9	0.8	N	0.0	8	4.0	8.4	2	6	3.0	4	68%	22
43	Fdi	CT	600-1400	-\$0.6	36	\$3.0	0.9	N	0.0	8	4.0	5.0	6	6	2.9	2	69%	23

Seed planning unit				VALUE INPUTS			INFORMATION		CRITERIA FOR PROGRAM CATEGORIZATION						SCORES			RANK
SPU #	Spp.	SPZ	Elev. band (m)	Incr. NPV mm\$	Incr. NPV rank	Total NPV mm\$	5-yr. ann. planting (million)	Adjacency benefit included	A. NPV Score	B. Breeding feasibility	C. Delivery feasibility	D. TSR value	E. Climate change	F. Opportunities	Wtd. Mean TI Score	Program category	Cummulative % prov. planting	A N K
34	Lw	EK	800-1500	\$1.4	21	\$13.4	1.8	N	1.0	9	8.8	0.0	2	8	2.9	1	69%	24
44	Sx	NE low	<1000	\$1.5	20	\$11.1	0.8	N	1.0	10	7.6	1.0	0	8	2.8	1	70%	25
40b	Sx	PR mid	650-1200m	\$1.0	22	\$13.7	4.4	N	0.8	10	7.6	0.0	3	7	2.8	2	71%	26
25	Sx	EK	750-1899	\$0.9	23	\$19.8	2.5	N	0.8	10	7.6	0.0	3	7	2.8	2	72%	27
27	Cw	SM	200-1000	-\$21.4	65	-\$21.4	0.4	N	0.0	8	10.0	1.4	5	5	2.7	2	73%	28
5	Sx	NE high	1700-2100	-\$0.8	41	\$3.1	1.0	N	0.0	10	7.6	2.0	4	6	2.7	2	73%	29
45	Pli	BB/CHL	all	-\$1.2	48	-\$1.2	6.5	N	0.0	8	3.4	8.2	2	2	2.7	3	76%	30
68	Ss	M all PEST (incr)	1-500	\$3.7	14	\$38.9	Est. 1.5 mm	N	1.6	7	6.2	1.0	4	0	2.6	2	76%	31
40a	Sx	PR low	<650m	-\$1.6	52	-\$1.5	0.2	N	0.0	10	7.6	0.0	5	8	2.6	2	76%	32
60	Pli	PR low	<1000	\$2.1	18	\$2.1	2.3	N	1.2	8	3.4	0.7	4	7	2.6	3	77%	33
67	Pli	BV high	1400-2000	-\$1.7	54	-\$1.7	0.1	N	0.0	8	3.4	5.9	2	6	2.6	4	77%	34
20	Pli	NE high	1600-2000	\$2.2	16	\$4.0	1.7	N	1.2	8	3.4	0.9	3	7	2.6	2	77%	35
65	Pli	NS low	<1100	-\$1.5	51	-\$1.4	0.0	N	0.0	8	3.4	2.8	6	7	2.5	3	77%	36
33	Cw	M high	700-1500	-\$1.2	49	-\$1.2	0.5	N	0.0	8	10.0	0.9	3	5	2.4	2	78%	37
71	Pwi	KQ PEST (incr)	500-1400	-\$1.0	45	\$7.5	Est. 2 mm	N	0.0	6	6.2	0.8	6	9	2.4	1	78%	38
26	Pli	PG high	1400-2000	\$0.0	31	\$1.0	0.7	N	0.0	8	3.4	4.0	2	7	2.3	3	78%	39
54	Alder	M low current	1-600	-\$0.7	40	\$0.3	0.2	N	0.0	7	7.0	1.0	4	6	2.3	2	78%	40
37	Fdi	QL	700-1400	-\$0.2	33	\$8.1	1.0	N	0.0	8	4.0	4.5	1	6	2.2	2	78%	41
22	Fdi	NE high	>1200	-\$0.3	35	\$12.5	1.84	N	0.0	8	4.0	0.9	6	6	2.2	2	79%	42
51	Py	All s. int.	all	-\$1.2	47	\$0.1	0.6	N	0.0	7	3.8	1.5	5	8	2.2	2	79%	43
50	Lw	NE high	1200-1800	-\$1.1	46	-\$0.9	0.9	N	0.0	9	8.8	0.7	3	0	2.2	2	80%	44
19	Fdc	SM	400-1199	\$0.3	30	\$3.3	0.8	N	0.5	7	3.5	1.0	5	5	2.2	2	80%	45
31	Fdc	M High	900+	-\$15.4	64	-\$9.9	0.8	N	0.0	7	3.5	0.9	7	6	2.1	2	80%	46
62	Hw	NST	1-599	-\$0.6	37	-\$0.4	0.3	N	0.0	7	6.5	1.6	3	5	2.1	3	81%	47
3	Hw	M (south)	1-599	-\$0.2	34	\$9.1	0.7	N	0.0	7	6.5	1.0	4	4	2.1	2	81%	48
66	Pli	PR high	>1000	\$0.5	28	\$0.5	2.1	N	0.6	8	3.4	0.5	3	6	2.1	3	82%	49
52	Fdi	TO low	600-1099	-\$0.8	42	-\$1.7	0.6	N	0.0	8	4.0	1.5	3	6	2.0	2	82%	50
29	Pli	EK high	1500-2000	\$0.7	25	\$0.7	1.8	N	0.7	8	3.4	0.0	2	6	2.0	3	83%	51
64	Pli	CP high	>1300	-\$1.7	55	-\$1.7	0.0	N	0.0	8	3.4	1.6	3	6	2.0	3	83%	52
15	Pwi	KQ PEST (current)	500-1400	-\$3.3	62	-\$0.3	0.5	N	0.0	6	6.2	0.8	6	0	1.9	1	83%	53
24	Hw	M high	600-1100	-\$1.0	44	-\$2.1	0.5	N	0.0	7	6.5	0.9	2	4	1.9	2	83%	54
23	Ss	SM/NST	all	-\$1.9	57	-\$1.9	0.2	N	0.0	7	6.2	1.7	3	0	1.9	2	83%	55
6	Ss	M all PEST	1-500	-\$0.6	38	\$15.3	0.7	N	0.0	7	6.2	1.0	4	0	1.8	2	83%	56
39	Fdi	EK	700-1399	-\$1.2	50	\$1.9	0.8	N	0.0	8	4.0	0.6	2	6	1.8	2	84%	57
8	Pwc	Cst (PEST)	0-1000	-\$4.7	63	-\$2.8	0.1	N	0.0	6	4.9	1.1	5	0	1.8	1	84%	58
32	Pli	EK low	800-1499	-\$0.2	32	\$2.2	1.8	N	0.0	8	3.4	0.0	2	8	1.8	2	85%	59
11	Yc	M	1-1100	-\$0.7	39	\$5.9	0.9	N	0.0	5	3.9	1.0	4	6	1.7	2	85%	60
70	Hm	M high (all)	600+	-\$1.7	53	-\$1.7	0.1	N	0.0	5	2.5	1.0	2	5	1.3	4	85%	61
47	Bn	M high	600+	-\$3.2	61	-\$3.1	0.03	N	0.0	2	2.2	1.1	7	0	1.3	3	85%	62
9	Ba	M	<1000	-\$3.0	60	-\$2.5	0.5	N	0.0	2	2.2	1.2	4	5	1.2	3	85%	63
36	Bg	M low	<700	-\$3.0	59	-\$2.9	0.0	N	0.0	5	2.2	0.4	4	0	1.2	3	85%	64
46	BI	NST	all elev.	-\$2.9	58	-\$2.9	0.5	N	0.0	2	2.2	1.6	2	0	0.9	3	85%	65