

Bedding Plant Order

Company: Smith Brothers Landscaping
 Delivery Date: April 16th, 2018
 Finish container size: 4" pots

<u>Quantity</u>	<u>Variety</u>
8,000	Begonia Vodka Red
10,000	Impatiens Accent Deep Pink
6,000	Lobelia Cobalt
3,000	Marigold Perfection Orange
9,000	Pansy Roc Blue
13,000	Petunia Ultra Burgundy
12,000	Snapdragon Floral Showers Mix
<u>15,000</u>	<u>Vinca Bright Eye</u>
76,000	Total

Materials Information

Plug liners (Trays): 400 plugs
 Flats: 16 pots
 Plug Trays and Flats occupy same amount of space

Production Facilities Information

Greenhouse: Good temperature control, holds 7500 flats
 Unheated polyethylene house: Can maintain night temperatures above 13°C, holds 5000 flats
 Open ground is not limiting

Labor Information: 1 person, 8 hours

- Prepare and sow 50 plug trays
- Prepare 5,000 pots for planting (Cleaning placement area, putting pots in flats, filling pots, placing in greenhouse)
- Transplanting plugs into 10,000 pots

Julian Calendar

<u>Week</u>	<u>Date</u>
47	20-Nov-2017
48	27-Nov-2017
49	4-Dec-2017
50	11-Dec-2017
51	18-Dec-2017
52	25-Dec-2017
1	1-Jan-2018
2	8-Jan-2018
3	15-Jan-2018
4	22-Jan-2018
5	29-Jan-2018
6	5-Feb-2018
7	12-Feb-2018
8	19-Feb-2018
9	26-Feb-2018
10	5-Mar-2018
11	12-Mar-2018
12	19-Mar-2018
13	26-Mar-2018
14	2-Apr-2018
15	9-Apr-2018
16	16-Apr-2018
17	23-Apr-2018
18	30-Apr-2018

Materials and Dates															Ready Date: 4/16/2018	
Variety Information							No. of	No. plants				Weeks from Sowing			Dates	
Variety	Germ.	No. of	Growing	Weeks from Sowing			plants	needed	Plugs	Trays	Seed	Weeks from Sowing			Dates	
	rate	seeds/g	temp (°C)	Germ.	Transpl	Sale						ordered	(+15%)	to sow	to sow	to order*
Begonia Vodka	75%	70,000	16	2-3	6-8	18	8,000	9,200	12,267	31	13,000	3	7	18	11-Dec	29-Jan
Impatiens Accent Deep Pink	85%	1,400	14-16	2-3	2-3	13-14	10,000	11,500	13,529	34	10	3	3	14	08-Jan	29-Jan
Lobelia Cobalt	85%	35,000	16	3	3-4	12-13	6,000	6,900	20,700	52	3	3	3	13	15-Jan	05-Feb
Marigold Perfection Orange	80%	315	18-20	1	1-2	12-13	3,000	3,450	4,313	11	14	1	1	13	15-Jan	22-Jan
Pansy Roc Blue	80%	700	10-13	2	2-3	16-17	9,000	10,350	12,938	33	19	2	2	17	18-Dec	01-Jan
Petunia Ultra Burgundy	75%	9,275	13-16	1-2	2-3	14-15	13,000	14,950	19,933	50	3	2	2	15	01-Jan	15-Jan
Snapdragon Floral Showers Mix	80%	6,300	7-10	1-2	2-3	16-18	12,000	13,800	17,250	44	3	2	2	18	11-Dec	25-Dec
Vinca Bright Eyes	80%	735	18-20	1-2	4-5	16-17	15,000	17,250	21,563	54	30	2	5	17	18-Dec	22-Jan
							No. pots required:	87400					Sowing begins:		11-Dec	
							No. flats required:	5463					Transplanting begins:		25-Dec	
							No. trays required:		309		* includes the additional 15%					

Production Schedule	49	50	51	52	1	2	3	4	5	6	7	8	9
	04-Dec	11-Dec	18-Dec	25-Dec	01-Jan	08-Jan	15-Jan	22-Jan	29-Jan	05-Feb	12-Feb	19-Feb	26-Feb
Begonia Vodka		31							9,200				
Impatiens Accent Deep Pink						34			11,500				
Lobelia Cobalt							52			6,900			
Marigold Perfection Orange							11	3,450					
Pansy Roc Blue			33		10,350								
Petunia Ultra Burgundy					50		14,950						
Snapdragon Floral Showers Mix		44		13,800									
Vinca Bright Eyes			54					17,250					
Sowing total this date		75	87		50	34	63						
Transplanting total this date				13,800	10,350		14,950	20,700	20,700	6,900	0		
Person-hours required for sowing	0	12	13.92	0	8	5.44	10.08	0	0	0	0	0	0
Person-hours required for preparation	0	0	0	22.08	16.56	0	23.92	33.12	33.12	11.04	0	0	0
Person-hours required for tplanting	0	0	0	11.04	8.28	0	11.96	16.56	16.56	5.52	0	0	0
Total person-hours required	0	12	13.92	33.12	32.84	5.44	45.96	49.68	49.68	16.56	0	0	0
Space required for sowing (flats)	0	75	162	118	135	169	182	117	52	0	0	0	0
Space required for planting (flats)	0	0	0	863	1510	1510	2445	3739	5033	5465	5465	5465	5465
Space gained from transplanting				44	33		50	65	65	52			
Total space required (flats)	0	75	162	981	1645	1679	2627	3856	5085	5465	5465	5465	5465