

## OUTstanding Cyclamen<sup>®</sup> ideal for outdoors

*Cyclamen for outdoor use: the success factors*

Contrary to popular belief, Cyclamen, known as a houseplant, is first and foremost an outdoor plant! With its vibrant colours, it brightens up flower beds and planters during the autumn period.

In this technical sheet, you will find all the information concerning:

- Sales periods for outdoor use depending on the climate
- OUTstanding Cyclamen<sup>®</sup>: the label of Morel varieties for outdoor use
- Our evaluation methods for the awarding of this label
- Answer questions for you to guide your customers with good advice for successful outdoor plantings



### I. Choose the sales period favorable for outdoor use depending on the climate

#### a) How to define your sowing date according to the desired flowering date?

To set your sowing date, apply a countdown from the desired flowering period. Our best outdoor cyclamen varieties labeled OUTstanding Cyclamen<sup>®</sup> have a cultivation time of approximately 28 to 30 weeks from sowing (30 to 32 weeks for FANTASIA<sup>®</sup> and INDIKA<sup>®</sup>). For more details on these cultivation times, refer to our technical guide:

<https://www.cyclamen.com/en/professional/catalogue/technical-leaflet>

For future outdoor use, the flowering period to choose will match with the favorable period for planting. You can refer to the tips below to find it.

#### b) Temperature windows to use cyclamen outdoors

Our cyclamen offer allows long-lasting flowering outdoors with average temperatures of 10 to 15 °C. They can even be lower if the relative humidity is not too high (<~ 60%).

Take advantage of the last mild temperatures, from 15 °C to 18 °C in late summer / early autumn, to plant your cyclamen in order to obtain good rooting, favourable to the long-lasting resistance of the cyclamen outdoors. However, avoid planting too early as conditions that are too hot could be detrimental to this resistance.

**To note: Hardiness up to -2°C**

#### c) How to define your flowering period according to your climatic zone?

Temperate climates are the most favorable (Mediterranean, oceanic, continental). You can also be successful with your cyclamen in semi-arid or humid subtropical climates.

In the northern hemisphere, for Mediterranean climates, cyclamen can be planted from October to November for flowering until January, sometimes even, depending on rainfall, until March.

For oceanic and continental climates, planting cyclamen outdoors can even be brought forward into August or September thanks to the lower average temperatures. For some climates such as the humid subtropical, the planting period is more restricted.

In cities from the southern hemisphere, the planting period runs from April-May through September. To identify the zone that corresponds to your climate, find below some examples of cities with their monthly statistical climatic data.

Find among these tables your type of climate to deduce, coloured in green, the favourable periods for planting outdoors.

In addition, find here the world map of climates:

<https://juanmgeo.vivaldi.net/2017/10/23/climas-del-mundo/>

## Monthly statistical climatic data for some cities in different climates:

### Mediterranean climate:

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEAR
Nice (FRANCE)	T (Lo/Av/Hi- °C)	5 / 9 / 13	6 / 10 / 13	8 / 12 / 15	10 / 14 / 17	14 / 17 / 21	18 / 21 / 24	20 / 24 / 27	21 / 24 / 28	17 / 21 / 25	14 / 17 / 21	9 / 13 / 17	6 / 10 / 14	12 / 16 / 20
	R (mm/days)	69 / 6	45 / 5	39 / 5	69 / 7	45 / 5	34 / 4	12 / 2	18 / 2	73 / 5	133 / 7	104 / 7	93 / 6	733 / 61
	S (hours)	158	171	217	225	267	306	347	316	243	186	150	140	2725
Barcelona (SPAIN)	T (Lo/Av/Hi- °C)	9 / 12 / 15	9 / 12 / 16	11 / 14 / 17	13 / 16 / 19	16 / 19 / 23	20 / 23 / 26	23 / 26 / 29	23 / 26 / 29	20 / 23 / 26	17 / 20 / 23	12 / 15 / 18	10 / 12 / 15	15 / 18 / 21
	R (mm/days)	44 / 6	31 / 5	33 / 6	48 / 8	47 / 8	26 / 6	25 / 3	41 / 6	82 / 8	97 / 8	45 / 7	47 / 7	565 / 77
	S (hours)	158	171	205	240	257	288	295	264	228	195	153	136	2590
Rome (ITALY)	T (Lo/Av/Hi- °C)	3 / 8 / 12	4 / 8 / 13	5 / 10 / 15	8 / 13 / 18	12 / 17 / 23	15 / 21 / 27	18 / 24 / 30	18 / 24 / 31	15 / 21 / 27	11 / 16 / 21	7 / 11 / 16	4 / 8 / 13	10 / 15 / 20
	R (mm/days)	67 / 7	73 / 8	58 / 8	81 / 9	53 / 6	34 / 4	19 / 2	37 / 3	73 / 6	113 / 8	115 / 10	81 / 8	804 / 79
	S (hours)	121	132	167	201	264	285	332	298	237	195	129	112	2472
San Francisco (CA-USA)	T (Lo/Av/Hi- °C)	8 / 11 / 14	9 / 12 / 16	9 / 13 / 17	10 / 13 / 17	11 / 14 / 18	12 / 15 / 19	12 / 16 / 19	13 / 16 / 20	13 / 17 / 21	12 / 16 / 21	10 / 14 / 17	8 / 11 / 14	10 / 14 / 18
	R (mm/days)	125 / 12	91 / 11	89 / 11	40 / 7	7 / 4	4 / 2	1 / 0	2 / 1	7 / 2	35 / 4	90 / 9	97 / 12	588 / 73
	S (hours)	186	207	270	309	326	312	313	288	270	248	174	161	3064
Izmir (TURKEY)	T (Lo/Av/Hi- °C)	6 / 9 / 13	6 / 10 / 14	8 / 12 / 16	11 / 16 / 21	16 / 21 / 26	20 / 25 / 31	23 / 28 / 33	23 / 28 / 33	19 / 24 / 29	15 / 19 / 23	11 / 15 / 18	8 / 11 / 14	14 / 18 / 23
	R (mm/days)	124 / 12	102 / 11	75 / 9	47 / 8	31 / 5	9 / 2	2 / 1	2 / 1	15 / 2	45 / 6	95 / 9	143 / 13	690 / 78
	S (hours)	133	140	195	219	295	342	375	353	300	226	159	124	2862
Perth (AUSTRALIA)	T (Lo/Av/Hi- °C)	18 / 25 / 31	18 / 25 / 32	17 / 23 / 30	14 / 20 / 26	11 / 16 / 22	9 / 14 / 19	8 / 13 / 18	8 / 14 / 19	10 / 15 / 20	12 / 17 / 23	14 / 20 / 27	16 / 23 / 29	13 / 19 / 25
	R (mm/days)	15 / 2	9 / 2	21 / 4	37 / 7	90 / 11	127 / 15	145 / 17	122 / 16	88 / 15	39 / 9	24 / 6	10 / 4	725 / 108
	S (hours)	357	308	298	249	214	177	189	223	231	298	318	357	3217

### Semi-arid climate:

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEAR
Los Angeles (CA-USA)	T (Lo/Av/Hi- °C)	9 / 14 / 20	10 / 15 / 20	11 / 16 / 21	12 / 17 / 23	14 / 19 / 24	16 / 21 / 26	18 / 23 / 28	18 / 23 / 29	17 / 23 / 28	15 / 20 / 26	11 / 17 / 23	9 / 14 / 20	13 / 19 / 24
	R (mm/days)	80 / 6	79 / 6	67 / 6	29 / 3	5 / 1	1 / 1	1 / 0	4 / 0	9 / 1	9 / 3	51 / 3	53 / 5	388 / 36
	S (hours)	226	221	267	303	276	276	363	350	279	254	216	220	3251
Tel Aviv (ISRAEL)	T (Lo/Av/Hi- °C)	10 / 14 / 18	10 / 14 / 18	12 / 15 / 19	14 / 19 / 23	17 / 21 / 25	21 / 24 / 28	23 / 26 / 29	24 / 27 / 30	23 / 26 / 29	19 / 23 / 27	15 / 19 / 23	11 / 15 / 19	16 / 20 / 24
	R (mm/days)	127 / 13	90 / 10	61 / 9	18 / 3	2 / 1	0 / 0	0 / 0	0 / 0	0 / 0	24 / 3	79 / 8	126 / 11	528 / 57
	S (hours)	192	199	236	270	329	357	369	357	300	279	234	189	3310
Athens (GREECE)	T (Lo/Av/Hi- °C)	7 / 10 / 13	7 / 10 / 14	9 / 13 / 17	12 / 16 / 20	16 / 21 / 25	21 / 26 / 30	24 / 29 / 33	24 / 29 / 34	20 / 24 / 29	16 / 20 / 24	12 / 15 / 19	9 / 12 / 15	15 / 19 / 23
	R (mm/days)	57 / 13	47 / 10	41 / 10	31 / 8	23 / 6	11 / 4	6 / 2	6 / 2	14 / 3	53 / 7	58 / 10	69 / 12	414 / 87
	S (hours)	158	168	189	225	304	360	384	360	252	198	144	105	2848
Cape Town (SOUTH AFRICA)	T (Lo/Av/Hi- °C)	16 / 21 / 26	16 / 21 / 27	14 / 20 / 25	12 / 17 / 23	9 / 15 / 20	8 / 13 / 18	7 / 12 / 18	8 / 13 / 18	9 / 14 / 19	11 / 16 / 21	13 / 18 / 24	15 / 20 / 25	11 / 17 / 22
	R (mm/days)	15 / 6	17 / 5	20 / 5	41 / 8	69 / 11	93 / 13	82 / 12	77 / 14	40 / 10	30 / 9	14 / 5	17 / 6	515 / 104
	S (hours)	338	297	291	234	205	174	192	211	225	279	309	335	3090
Santiago (CHILE)	T (Lo/Av/Hi- °C)	12 / 21 / 29	11 / 20 / 29	9 / 18 / 27	7 / 15 / 23	5 / 12 / 18	3 / 9 / 15	3 / 8 / 14	3 / 10 / 16	5 / 12 / 18	7 / 15 / 22	9 / 17 / 25	11 / 20 / 28	7 / 15 / 22
	R (mm/days)	0 / 0	1 / 0	4 / 1	13 / 3	44 / 5	70 / 7	69 / 7	38 / 6	23 / 5	11 / 2	7 / 1	2 / 0	282 / 37
	S (hours)	363	302	273	201	155	120	146	161	186	248	306	347	2808

### Oceanic climate:

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEAR
Paris (FRANCE)	T (Lo/Av/Hi- °C)	3 / 5 / 7	3 / 6 / 8	5 / 9 / 12	7 / 11 / 16	11 / 15 / 20	14 / 18 / 23	16 / 21 / 25	16 / 20 / 25	13 / 17 / 21	10 / 13 / 16	6 / 8 / 11	3 / 5 / 8	9 / 12 / 16
	R (mm/days)	54 / 10	44 / 9	49 / 10	53 / 9	65 / 10	55 / 9	63 / 8	43 / 7	55 / 9	60 / 10	52 / 10	59 / 11	650 / 112
	S (hours)	62	78	130	165	195	201	211	211	168	118	69	53	1661
Amsterdam (NETHERLANDS)	T (Lo/Av/Hi- °C)	1 / 3 / 6	1 / 3 / 6	3 / 6 / 10	5 / 9 / 14	8 / 13 / 17	11 / 15 / 20	12 / 17 / 22	12 / 17 / 22	11 / 15 / 19	8 / 11 / 15	4 / 7 / 10	2 / 4 / 6	6 / 10 / 14
	R (mm/days)	67 / 12	51 / 10	61 / 11	41 / 9	56 / 10	66 / 10	77 / 10	86 / 10	82 / 12	90 / 13	87 / 13	76 / 13	838 / 133
	S (hours)	62	87	127	183	223	207	217	198	138	109	63	50	1664
London (UK)	T (Lo/Av/Hi- °C)	2 / 5 / 8	2 / 5 / 8	4 / 8 / 11	6 / 10 / 14	9 / 13 / 18	12 / 16 / 21	14 / 19 / 24	14 / 18 / 23	11 / 16 / 20	8 / 12 / 16	5 / 8 / 11	3 / 6 / 8	7 / 11 / 15
	R (mm/days)	55 / 11	41 / 9	42 / 9	44 / 9	49 / 9	45 / 8	45 / 8	50 / 8	49 / 8	69 / 11	59 / 10	55 / 10	602 / 110
	S (hours)	62	78	115	168	198	204	211	205	150	118	72	53	1633

### Humid subtropical climate:

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEAR
Nagoya (JAPAN)	T (Lo/Av/Hi- °C)	1 / 5 / 9	1 / 6 / 10	4 / 9 / 14	10 / 15 / 20	15 / 19 / 24	19 / 23 / 27	23 / 27 / 31	24 / 29 / 33	21 / 25 / 29	14 / 18 / 23	8 / 13 / 17	3 / 7 / 12	12 / 16 / 21
	R (mm/days)	48 / 7	66 / 8	122 / 10	125 / 10	157 / 11	201 / 13	204 / 13	126 / 9	234 / 12	128 / 10	80 / 7	45 / 7	1535 / 116
	S (hours)	171	171	189	198	198	150	164	202	150	171	162	174	2099
Shanghai (CHINA)	T (Lo/Av/Hi- °C)	2 / 5 / 8	4 / 7 / 10	7 / 10 / 14	12 / 16 / 20	17 / 21 / 25	22 / 25 / 28	26 / 29 / 32	26 / 29 / 32	22 / 25 / 28	17 / 20 / 23	11 / 14 / 17	5 / 8 / 11	14 / 17 / 21
	R (mm/days)	74 / 10	59 / 9	94 / 12	74 / 11	85 / 10	182 / 13	146 / 11	214 / 12	87 / 9	56 / 7	52 / 8	44 / 8	1166 / 121
	S (hours)	115	120	127	150	171	132	192	186	168	161	132	127	1781
Sydney (AUSTRALIA)	T (Lo/Av/Hi- °C)	19 / 22 / 26	19 / 22 / 26	18 / 21 / 25	15 / 19 / 22	12 / 16 / 20	9 / 13 / 17	8 / 12 / 16	9 / 13 / 18	11 / 16 / 20	14 / 18 / 22	16 / 20 / 24	18 / 21 / 25	14 / 18 / 22
	R (mm/days)	102 / 12	118 / 13	129 / 14	129 / 13	120 / 13	132 / 13	97 / 11	80 / 10	68 / 11	77 / 12	84 / 12	78 / 12	1212 / 143
	S (hours)	236	202	214	207	195	177	205	245	237	245	228	245	2635

### Continental climate:

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YEAR
Beijing (CHINA)	T (Lo/Av/Hi- °C)	-8 / -3 / 2	-6 / 0 / 5	0 / 6 / 12	8 / 14 / 20	14 / 20 / 26	19 / 25 / 30	22 / 26 / 31	21 / 25 / 30	15 / 20 / 26	8 / 14 / 19	0 / 5 / 10	-6 / -1 / 4	7 / 13 / 18
	R (mm/days)	3 / 2	5 / 2	8 / 3	21 / 4	34 / 6	78 / 10	185 / 14	160 / 12	46 / 8	22 / 5	7 / 4	3 / 2	572 / 71
	S (hours)	195	196	233	252	282	261	214	220	231	223	186	180	2673
Toronto (CANADA)	T (Lo/Av/Hi- °C)	-7 / -4 / -1	-6 / -3 / 0	-2 / 1 / 5	4 / 8 / 12	10 / 14 / 18	15 / 19 / 24	18 / 22 / 27	17 / 21 / 26	13 / 17 / 21	7 / 11 / 14	2 / 5 / 8	-3 / -1 / 2	6 / 9 / 13
	R (mm/days)	29 / 5	30 / 5	34 / 8	61 / 11	82 / 13	71 / 11	64 / 10	81 / 10	85 / 11	64 / 12	75 / 11	38 / 7	714 / 114
	S (hours)	87	112	161	180	226	261	279	245	195	155	90	78	2069
Berlin (GERMANY)	T (Lo/Av/Hi- °C)	-2 / 1 / 3	-2 / 1 / 4	1 / 5 / 9	4 / 9 / 13	9 / 14 / 19	12 / 17 / 22	14 / 19 / 24	14 / 19 / 24	11 / 15 / 19	6 / 10 / 13	2 / 5 / 7	0 / 2 / 4	6 / 10 / 13
	R (mm/days)	42 / 10	33 / 8	41 / 9	37 / 8	54 / 9	69 / 7	56 / 7	58 / 7	45 / 8	37 / 8	44 / 10	55 / 11	571 / 101
	S (hours)	47	73	121	159	220	222	217	211	156	112	51	37	1625
New York (NY - USA)	T (Lo/Av/Hi- °C)	-3 / 0 / 4	-2 / 2 / 5	2 / 6 / 10	7 / 12 / 16	12 / 17 / 22	18 / 22 / 26	20 / 25 / 29	20 / 24 / 28	16 / 20 / 24	10 / 14 / 18	5 / 9 / 12	0 / 3 / 6	9 / 13 / 17
	R (mm/days)	93 / 10	79 / 9	111 / 11	114 / 12	106 / 11	112 / 11	117 / 10	113 / 10	109 / 9	112 / 9	102 / 10	102 / 11	1268 / 122
	S (hours)	161	162	214	225	257	258	270	270	219	211	150	140	2537

(source - figures 01/2021: Weather Atlas, Monthly climate data, <https://www.weather-atlas.com/>)

**T** : Minimum / average / maximum temperatures (°C)

**R** : Rain: quantity per month (mm) and number of days per month

**S** : Duration of sunshine in hours (h) per month



## II. OUTstanding Cyclamen®: our varieties labeled for outdoor use

### a) OUTstanding Cyclamen® varieties

OUTstanding Cyclamen® is our label for a selection of the best outdoor cyclamen varieties. It guarantees long-lasting flowering in the garden, balcony, terrace.

Among our 64 varieties labeled OUTstanding Cyclamen®, find varieties with small flowers and midi flowers such as METIS®, TIANIS®, INDIKA® and our brand new 2021 range with excellent results in planters as well as in flower beds: the MIDI+® series!

List of Morel OUTstanding Cyclamen® varieties:

<https://newsletter.cyclamen.com/fxnKP24P2/leaflet/leaflet-en.pdf>



### b) MIDI+®: the characteristics of a new special «outdoor» series.

- Vigorous plant even in exposed outdoor conditions (winds, heavy rains, full sun)
- Thick stems, robust plant habit
- Remarkable reblooming capacity in winter
- Open plant structure that allows light to enter and keeps the heart always dry
- Identical growth and earliness between colours
- Strong impact of colours and size of flowers
- Also ideal in late cultivation for flowering in short days
- 10 references available separately and 2 mixes: a pure colour mix / a dark flamed mix

*Midi+® standard colours are not available in the USA and Canada. Corresponding substitution: Dreamscape (Pan American Seed distributed through Ball Seed).*



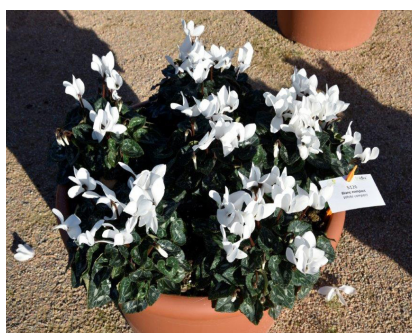
**5011 MIDI+® Bright red**



**5071 MIDI+® Deep rose**



**5095 MIDI+® Purple**



**5126 MIDI+® White compact**



**Roots of MIDI + ® in our beddings in Fréjus at the end of November (Week 47)**

### c) NOTE: Large flowers can also perform well outdoors!

Varieties with large flowers such as HALIOS® and LATINIA® are also widely used outdoors in dry Mediterranean climate type. They have a striking visual effect thanks to their flower size and are more covering thanks to their diameter. They have proven their resistance and their long-lasting flowering in the cities of southern Europe where they are very widespread such as in Cannes (France), Barcelona (Spain), Monaco but also on other continents, Los Angeles (USA) or Melbourne (Australia).



### III. Labeling process for our OUTstanding Cyclamen® varieties: tests carried out in unprotected outdoor conditions in Fréjus, Mediterranean climate.

Our OUTstanding Cyclamen® are tested every year in Fréjus in the south of France, in extreme conditions, that is to say they are placed in full sun, without shade in an area exposed to winds and torrential rains.

This trial is carried out in November: the outdoor performance of several varieties is tested very rigorously. Find here the report of the Morel outdoor trials 2020: <https://www.cyclamen.com/pdf/outdoor-trials/morel-outdoor-trials-2020.pdf>

**The layout and preparation of the cultivation in planters for these trials follow the protocol here below:**

**April, week 14-15:** sowing of the varieties to evaluate

**July, week 26-28:** Potting and rooting in a greenhouse with 60-70% shade like any usual cyclamen crop in a Mediterranean climate type.

**September, week 35-36:** planting in bowls in a sheltered and shaded place with 50% shade and average temperatures of 20 to 25 °C. This operation allows acclimatization before taking the planters outside.

Slow-release fertilizer “3-4 months” is incorporated into the substrate with a balance of 11-11-18. This facilitates rooting and also prevents leaching of fertilizer during periods of heavy rains. It is strongly recommended to mix the fertilizer as evenly as possible.



Preparation of the planters

**October, week 40-41:** placing of the previously rooted cyclamen planters directly outside in full sun, not sheltered from bad weather.

Upkeeping is carried out once a week by removing damaged flowers. This will help to get the new flowers.

**November, week 42:**

Start of weekly evaluation according to the following criteria:

- Resistance to hydric stress and temperature variations
- Average number of flowers per plant
- Quality and life-span of the foliage
- Flowers life-span
- Uniformity of plants behavior per group
- Overall aesthetic appearance

To obtain this label, a minimum score of 7/10 is necessary.



Outdoor trials, Morel Cyclamen, Fréjus  
**INDIAKA®** in the foreground

### IV. Advice for your customers: questions/answers

Do you want to convince or advise your clients, landscapers or even those in charge of urban green spaces? Here are some answers to questions they might ask you:

- ***I'm still hesitant to plant cyclamen, why do you recommend it?***

Cyclamen is a robust plant with a great ability to flower over a particularly long period. There is a wide palette of vibrant colours that will brighten up a season that is generally less sunny.



- **Which cyclamen can be planted outdoors?**

Choose resistant varieties, such as OUTstanding® varieties. Take healthy plants with an abundant root system to help the plant recovery after planting.

- **What is the ideal location?**

Whether for your flower beds or your planters, favor areas sheltered from direct rains and prevailing winds (under trees, covered terraces, patio...near a shelter) by avoiding direct full sun exposure, ideally east or west (avoid due south and north).

The best way to get the most out of your planting is to choose an area shaded by deciduous trees. These will allow you to move forward the schedule of your plantings thanks to the protection of their leaves. Then later on in the season your planting will benefit from the heat and light when these trees will have lost their foliage.

- **What substrates should I use to plant my cyclamen outdoors?**

The substrate must be draining, made up with blond peat and perlite. It is preferable to avoid black peats which are too compact. Fertilize with 1 kg of PG mix per m3. During cultivation, keep the pH of the soil slightly acidic, from 5.8 to 6.5.

- **Do you have any tips for watering?**

Water the soil generously a day or two before planting. It is advisable to always water in the morning at a regular frequency adapted to the climate. In the case of drier or windy areas, you can use mulching preferably organic (pine bark) to avoid strong dehydration of the soil and maintain humidity longer.

### **Bedding with MIDI+® in Fréjus**



**W39 :**

Preparation of the ground, addition of fertilizer, watering 2 days before planting



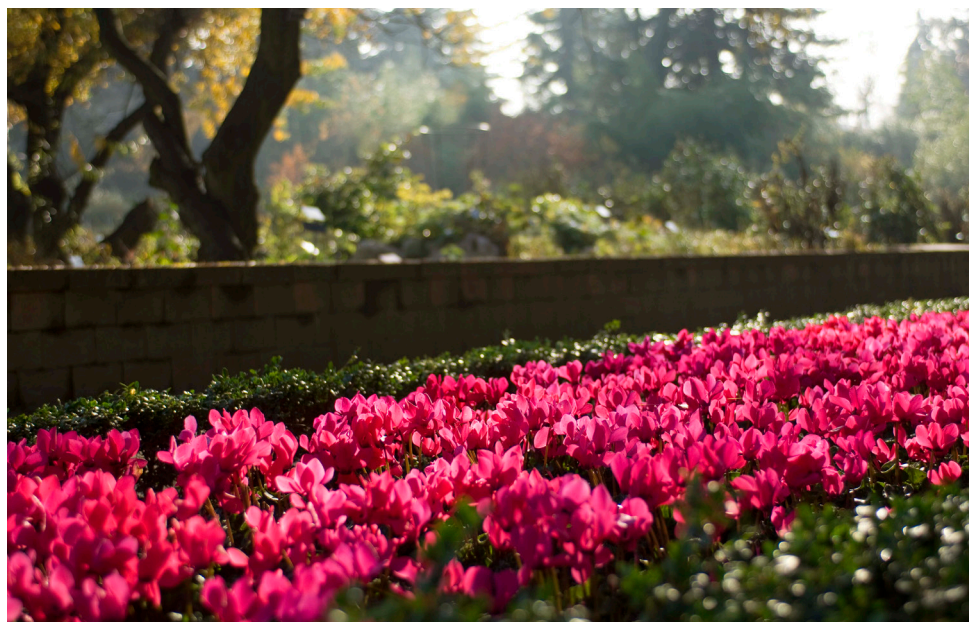
**W40 :**

Planting



**W47 :**

Result of MIDI+® planting



MIDI+® Deep rose - Botanical garden "la Tête d'or" in Lyon, France

Cyclamen is therefore, by nature, an excellent outdoor plant, ideal to brighten up flower beds and planters during the gloomy autumn-winter months. Easy to grow by following the tips above. It is important to take the climatic zone into account before planting your cyclamen outdoors in the optimal location.

*Fell confident to offer them for remarkable outdoor uses!*