

POLLINATOR PATHMAKER

Your DIY Edition Planting Instructions

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POLLINATOR PATHMAKER

An artwork for pollinators by Alexandra Daisy Ginsberg

pollinator.art



DIY Edition Number

#KDzaszCcTdLt5SggHuK8j6

Revisit at pollinator.art/?id=KDzaszCcTdLt5SggHuK8j6



This document certifies that the work is an original
editioned artwork by Alexandra Daisy Ginsberg.

All digital paintings by the artist.

Originally commissioned by the Eden Project and funded by Garfield Weston Foundation.

Additional founding supporter: Gaia Art Foundation and collaborators Google Arts & Culture. © Alexandra Daisy Ginsberg Ltd.

Living artworks

Pollinator Pathmaker is an art-led campaign to make art for pollinators, planted and cared for by humans. We want to transform how we see gardens and who we make them for. Created by the artist Alexandra Daisy Ginsberg, it was commissioned by the Eden Project, Cornwall.

As human actions are causing an alarming decline in pollinators around the world, how and what we plant matters. If pollinators designed gardens, what would humans see?

Working with experts at Eden and beyond, Ginsberg devised the *Pollinator Pathmaker* algorithmic tool to design gardens to suit pollinators' tastes, rather than ours. Selecting plants from a curated palette, every garden the algorithm designs is different, but each is computed to support the maximum pollinator species possible.



Now you have created your garden design, follow the instructions to plant it and join in creating the world's largest climate-positive artwork.

Don't forget to share photos of your DIY Edition via Instagram [@pollinatorpathmaker](#) using [#pollinatorpathmaker](#) or email us at photos@pollinator.art.



Please note that as per the Terms and Conditions you accepted, these DIY Edition Planting Instructions are for non-commercial, personal use only. If you'd like to plant a DIY Edition for a school or community space, please fill in the short application form at [pollinator.art/about/contact](#). For public display, contact us about commissioning a *Pollinator Pathmaker* Edition. Read more at [pollinator.art/legal#terms-and-conditions](#).

Planting your DIY Edition

It's best to plant your artwork in early autumn (Northern Hemisphere: September / October), before frosts return, or in spring, after the last frost (Northern Hemisphere: usually March / April). The Plant Palettes used by *Pollinator Pathmaker* contain mostly perennials, which will thrive for three to five years, some biennials (which last two years) and a few annuals (planted every year).

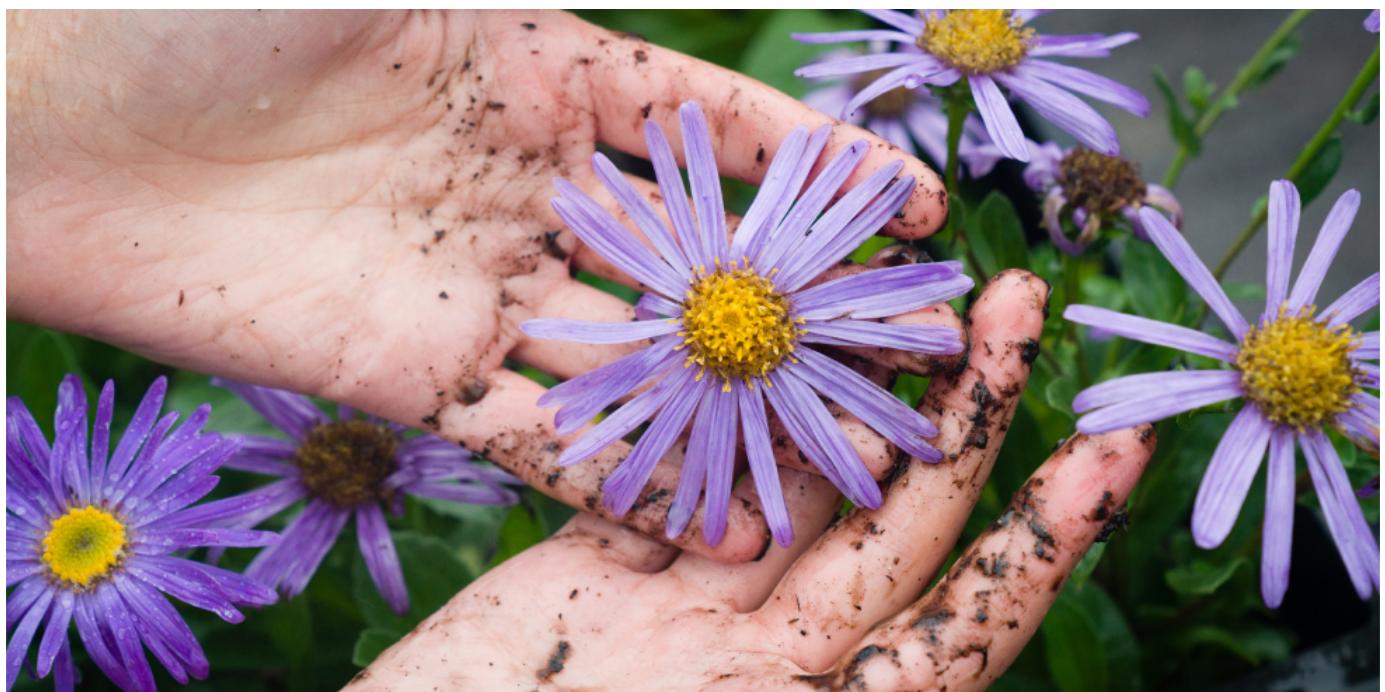


Photo: Steve Tanner

The cost of planting your DIY Edition will depend on the size of your garden, your soil, the plants used, plant density, and what size plants you buy. If your garden is a large window box or in pots you can scale it down. Find our more detailed guide to planting and caring for your garden at pollinator.art/resources/how-to-plant.

Start planting

Remove any unwanted vegetation, including roots. Dig or fork the soil over, and for best results incorporate organic matter. You can use your own garden compost or buy peat-free compost and organic fertiliser, using the quantity recommended for the size of your grid.



Mark out the full length and width of your grid with string and pegs. Then divide the grid into 0.5m by 0.5m pixels.



Lay out your plants in each pixel, following the planting design and suggested density. Arrange them a little randomly but leave space between each plant and the pixel edge.



Break up the soil around and below where each plant will go. Dig a hole matching the size of the pot the plant was in. Pour a cupful of water into the bottom of the hole.



Gently knock the plant out of the pot, delicately loosening the roots if it is rootbound, and pop it into the hole. Make sure the soil around the hole is at the same level as the compost the plant is in. Firm the soil around the new plant, and if the soil is dry, water again.

Your planting design

Your design is divided into 50cm x 50cm pixels. Each plant species is numbered; find their names on your plant list further down. Certain pixels contain two plant species: plants with a short flowering season are combined with a different species that flowers later. This provides forage for pollinators for a longer period. Some have a green dot for planting a grass species, which is explained next.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
0	103	E 75	31 47	113	67	66	120	66	F 77	113	31 47	31 47	C 94	18	175	175	18	67	31 47	31 47
1	103	E 75	31 47	113	103	C 96	C 96	66	C 94	31	31 47	31 47	E 98	E 128	C 96	175	120	67	113	113
2	E 35	E 98	31 47	E 57	C 38	120	C 96	E 128	C 54	31	31 47	31 47	113	67	E 128	18	19	E 98	31 47	E 75
3	E 128	C 54	31 47	31 47	E 98	103	19	F 77	E 98	88	C 54	E 98	113	121	E 98	C 54	E 98	47	31 47	E 98
4	66	C 38	15	31 47	31 47	E 75	E 75	E 75	C 54	19	18	63	C 94	113	C 44	31	31 47	C 9	31 47	E 75
5	18	E 128	F 77	E 98	31 47	36	47	31 47	C 94	18	175	C 96	19	C 94	113	C 32	31	93	C 70	113
6	E 128	18	66	103	C 54	113	47	31 47	E 98	E 128	C 96	C 96	F 89	103	67	C 54	C 54	E 98	113	31 47
7	67	E 128	F 102	18	19	C 94	113	31 47	113	C 94	103	19	19	19	19	7	E 128	19	F 77	E 75
8	113	67	E 128	120	120	E 128	67	113	31 47	113	E 75	E 98	C 54	F 77	E 128	120	C 96	C 96	66	C 54
9	31 47	113	67	E 128	120	120	19	C 94	E 75	31 47	31 47	31 47	E 75	C 38	18	C 96	175	141	67	
10	31 47	31 47	113	C 94	E 35	18	18	19	F 77	C 54	E 75	113	31 47	31 47	E 98	E 35	18	120	E 128	C 54
11	E 75	31 47	31 47	113	E 98	C 38	19	66	92	19	E 35	67	E 75	109	31 47	E 98	67	F 77	C 54	113
12	F 77	E 75	31 47	31 47	E 75	64	61	18	120	C 96	18	67	109	31 47	31 47	113	48	31 47	C 17	C 54
13	66	C 38	E 98	31 47	31 47	113	C 94	19	C 96	175	C 96	F 77	113	31 47	31 47	31 47	113	C 17	C 54	
14	120	66	C 38	E 98	113	31 47	31 47	113	67	E 128	18	E 128	C 94	113	113	E 75	C 54	F 77	E 35	
15	E 128	18	66	E 35	67	E 98	113	31 47	113	E 98	C 94	C 54	E 75	E 75	C 94	103	E 128	66	66	66
16	C 94	103	66	66	66	144	F 77	E 75	31 47	31 47	31 47	113	E 75	67	19	18	120	18	E 128	E 35
17	113	E 98	C 38	66	120	C 96	66	C 94	31 47	31 47	E 168	E 75	E 128	18	C 134	E 128	103	C 94	E 98	
18	31 47	31 47	C 54	E 35	120	118	163	C 96	F 77	113	31 47	E 165	F 77	E 128	18	E 128	103	C 94	113	31 47
19	31 47	31 47	31 47	113	C 94	19	120	E 128	C 54	113	E 75	F 77	66	18	E 128	E 148	E 75	113	31 47	

 1 flowering plant species

 1 flowering plant species + 1 grass

 2 flowering plant species

 2 flowering plant species + 1 grass

Your grass matrix

Green dots show where to place grasses. These are planted under certain plants that lose their leaves quickly. This grassy ‘matrix’ helps to prevent weeds spreading over bare soil and provides habitat for pollinators and other wildlife.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
0									F					C							
1							C	C		C					E	E	C				
2	E	E		E	C		C	E	C						E			E		E	
3	E	C		E			F	E	E	C	E				E	C	E		E		
4	C				E	E	E	C					C		C			C		E	
5	E	F	E					C				C		C		C			C		
6	E			C				E	E	C	C	F			C	C	E				
7	E	F			C				C							E		F	E		
8		E			E					E	E	C	F	E		C	C		C		
9			E				C	E						E	C		C				
10			C	E				F	C	E					E	E			E	C	
11	E			E	C					E			E			E		F	C		
12	F	E			E					C									C		
13	C	E				C			C		C	F						C	C		
14		C	E					E		E	C				E	C	C	F	E		
15	E		E	E					E	C	C	E	E	C			E				
16	C				F	E						E						E	E		
17	E	C			C	C				E	E	F	E			C	E		C	E	
18		C	E			C	F			E	F	E		E			C	E			
19			C			E	C		E	F				E	E	E					

Your plant list

These are the plants you'll need to buy to plant your artwork. Some species use more than one plant per pixel. We suggest how many of each to plant (plant density). Before you buy, read our guide on varying plant density to suit your budget and garden at pollinator.art/resources/how-to-plant. Use the Plant Finder to find out more about your plants' pollinators at pollinator.art/resources/plant-finder.

Key	ID	Plant name	Quantities	Plant Density	No. of plants to order
●	E	<i>Calamagrostis brachytricha</i> *	85	3	255
●	31	<i>Allium schoenoprasum</i>	73	5	365
●	47	<i>Teucrium hircanum</i>	73	3	219
●	C	<i>Carex divulsa</i> *	66	3	198
●	113	<i>Rudbeckia fulgida</i>	39	3	117
●	75	<i>Dipsacus fullonum</i>	25	2	50
●	128	<i>Oenothera lindheimeri</i> 'Whirling Butterfly'	25	3	75
●	98	<i>Anthericum liliago</i>	22	10	220
●	18	<i>Achillea millefolium</i> 'Moonshine'	21	3	63
●	66	<i>Geranium rozanne</i>	19	2	38
●	94	<i>Anthyllis vulneraria</i>	19	3	57
●	54	<i>Salvia nemorosa</i> 'Caradonna'	18	3	54
●	19	<i>Achillea millefolium</i> 'Terracotta'	17	3	51
●	F	<i>Carex remota</i> *	17	3	51
●	67	<i>Origanum vulgare</i>	16	3	48
●	77	<i>Verbena hastata</i>	15	3	45
●	96	<i>Borago officinalis</i>	15	3	45
●	120	<i>Penstemon</i> 'Andenken an Friedrich Hahn'	15	3	45

Key	ID	Plant name	Quantities	Plant Density	No. of plants to order
●	103	<i>Centaurea atropurpurea</i>	11	3	33
●	35	<i>Eryngium alpinum</i>	8	3	24
●	38	<i>Digitalis purpurea</i>	7	3	21
●	175	<i>Nepeta x faassenii</i>	6	3	18
●	7	<i>Geranium sanguineum</i>	2	3	6
●	17	<i>Selinum wallichianum</i>	2	5	10
●	109	<i>Cirsium 'Mount Etna'</i>	2	3	6
●	9	<i>Centaurea nigra</i>	1	3	3
●	15	<i>Geranium phaeum 'Lily Lovell'</i>	1	3	3
●	32	<i>Allium ampeloprasum</i>	1	5	5
●	36	<i>Aconitum napellus 'Newry Blue'</i>	1	2	2
●	44	<i>Verbascum nigrum</i>	1	3	3
●	48	<i>Veronica longifolia 'Marietta'</i>	1	3	3
●	57	<i>Salvia nemorosa 'Amethyst'</i>	1	3	3
●	61	<i>Salvia yangtii</i>	1	3	3
●	63	<i>Euphorbia 'Whistleberry Garnet'</i>	1	3	3
●	64	<i>Euphorbia corallioides</i>	1	3	3
●	70	<i>Agastache aurantiaca 'Tango'</i>	1	3	3
●	88	<i>Campanula carpatica</i>	1	4	4
●	89	<i>Helianthemum nummularium</i>	1	5	5
●	92	<i>Geranium macrorrhizum 'Bevan's Variety'</i>	1	3	3
●	93	<i>Thymus polytrichus subsp. <i>Britannicus</i></i>	1	3	3
●	102	<i>Solidago virgaurea</i>	1	3	3
●	118	<i>Lotus germanicus</i>	1	3	3
●	121	<i>Phlomis russeliana</i>	1	2	2

Key	ID	Plant name	Quantities	Plant Density	No. of plants to order
●	134	<i>Geranium 'Sweet Heidy'</i>	1	3	3
●	141	<i>Erysimum 'Bowles's Mauve'</i>	1	3	3
●	144	<i>Hypericum calycinum</i>	1	2	2
●	148	<i>Verbascum olympicum</i>	1	3	3
●	163	<i>Scilla siberica</i>	1	10	10
●	165	<i>Cichorium intybus</i>	1	3	3
●	168	<i>Geum rivale</i>	1	3	3

Colour: Colour in planting diagram

ID: Number in planting diagram

Plant name: Latin name of your plant

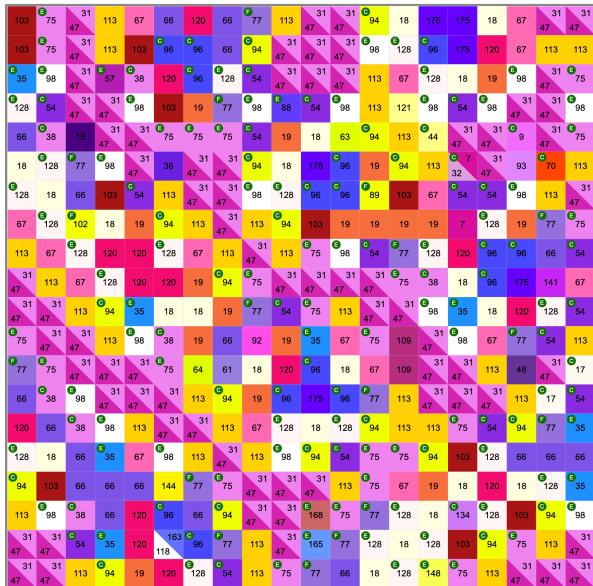
Pixels: Total number of pixels where the plant appears

Plant density: Suggested number of plants per pixel

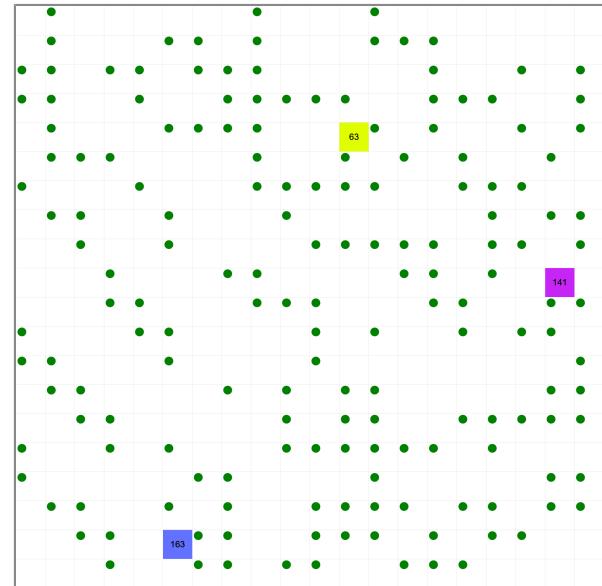
No. of plants: Plants to order (pixels x plant density)

Your seasonal view

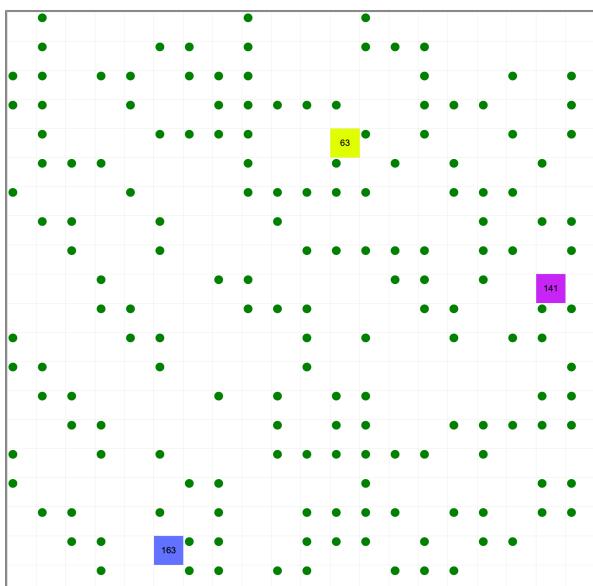
An overview of what's in flower in each season.



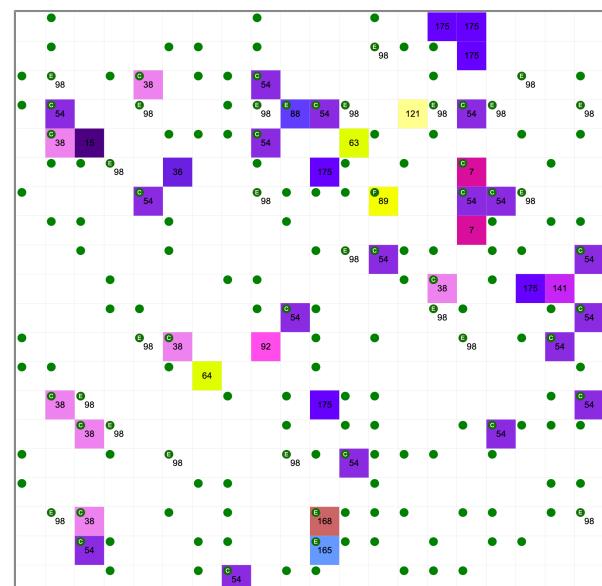
Early spring



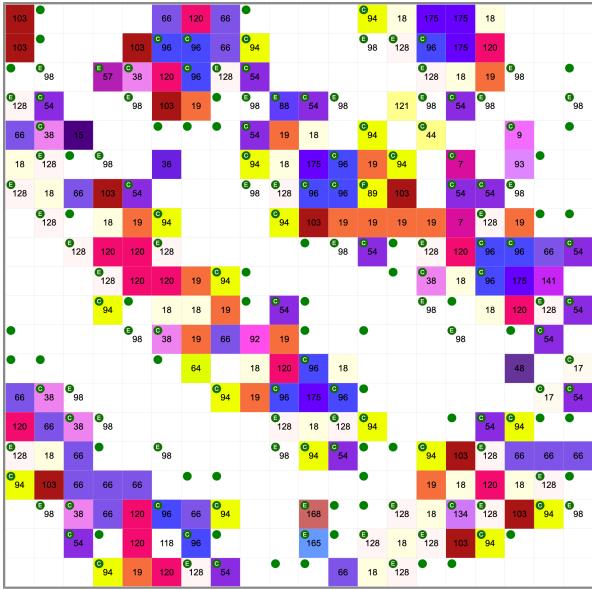
Mid-spring



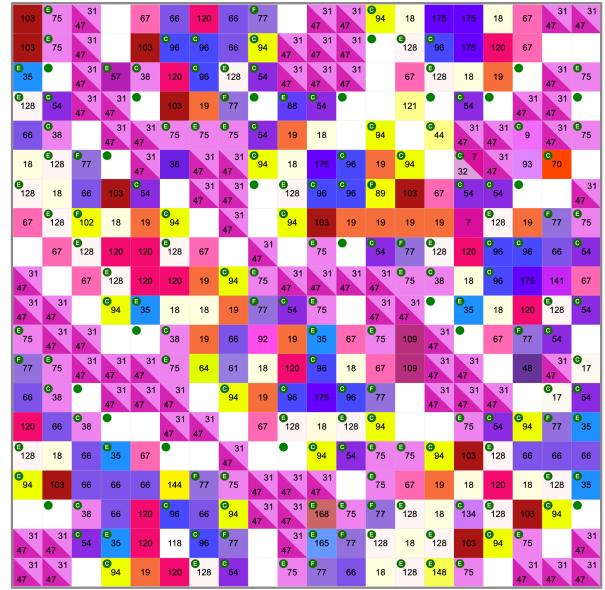
Late spring



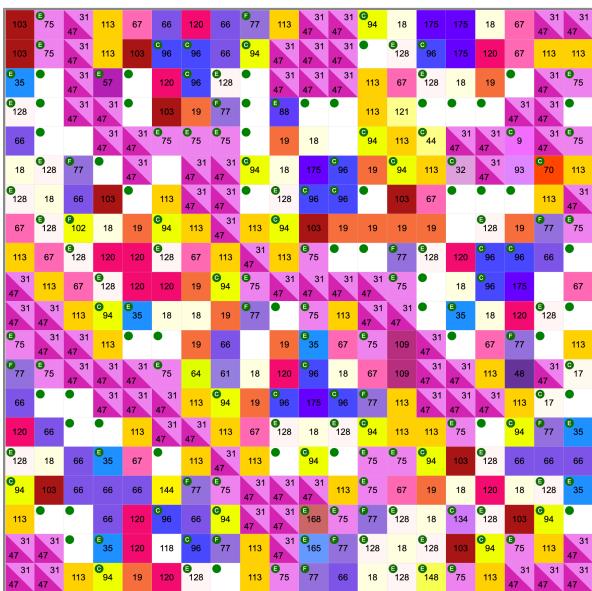
Early summer



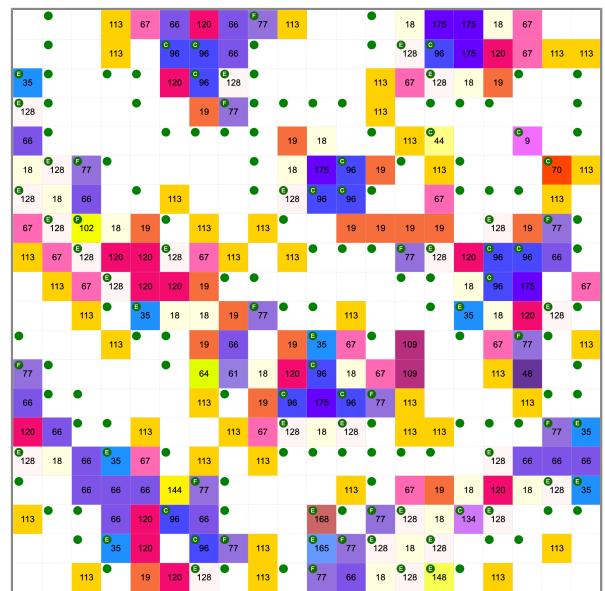
Mid-summer



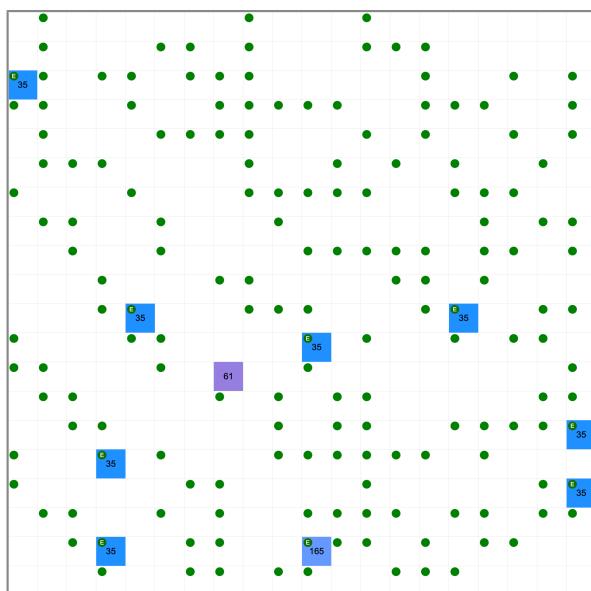
Late summer



Early autumn



Late-autumn



Winter

