



TRANSITION FARM GERMINATION GUIDELINES

CROP	Optimal Germination Temperature	Days to Emergence at Optimal Temperature	Minimum germination temperature	Light Requirement*		
VEGETABLES						
Asian Greens	20-25°C	4-7	5°C	Dark		
Beans - Broad	8-15°C	4-7	5°C	Dark		
Beans - Bush	24-30°C	5-10	15°C	Dark		
Beetroot	20-28°C	5-8	5°C	Dark		
Broccoli	18-22°C	4-7	5°C	Dark		
Cabbage	18-22°C	4-7	5°C	Dark		
Capsicum	27-32°C	7-10	15°C	Dark		
Carrots	18-25°C	10-21	5°C	Light-Dark		
Cauliflower	18-22°C	4-7	5°C	Dark		
Celeriac	21-24°C	14-21	5°C	Light-Dark		
Celery	21-24°C	14-21	5°C	Light-Dark		
Chili	27-32°C	7-10	15°C	Dark		
Corn	24-28°C	4-7	15°C	Dark		
Cucumber	18-21°C	5-10	15°C	Dark		
Eggplant	27-32°C	6-10	15°C	Dark		
Kale	18-22°C	4-7	5°C	Dark		
Leeks	17-27°C	10-14	2°C	Dark		
Lettuce	12-22°C	3	9°C	Light	Germinates very poorly above 24°C	
Melon	22-27°C	4-7	15°C	Dark		
Onions	25-28°C	4	2°C	Dark		
Orach	18-22°C	7-14		Dark		
Parsnips	17-23°C	14	2°C	Dark		
Pea	15-22°C	6	5°C	Dark		
Potato	10°C	10-21	5°C	Dark		
Pumpkin	27-32°C	5-7	15°C	Dark		
Radish	17-27°C	3	5°C	Dark		
Rocket	7-13°C	4	5°C	Dark		
Silverbeet	20-28°C	5-8	5°C	Dark		
Spinach	15-23°C	6-14	5°C	Dark		
Tomato	24-32°C	6	10°C	Dark		
Zucchini	25-32°C	4-7	15°C	Dark		
FLOWERS						
Amaranth	21-24°C	7-10		Light-Dark		
Breadseed Poppy	16-24°C	14-28		Light	cold stratification	
Calendula	21°C	7-14		Dark		
California Poppy	16-18°C	14-21		Light-Dark	cold stratification	
Celosia	20-23°C	7-10		Light		
Cerithe						
Cornflower	16-18°C	14-21	15°C	Dark		
Cosmos	20-22°C	7-10	16°C	Dark		
Cress	7-15°C	7-14		Dark		
Helichrysum	20-23°C	7-10		Light		
Icelandic Poppy	18-24°C	7-21		Light		
Larkspur	12-15°C	14-21		Dark	moist cold stratification	
Marigold	20-23°C	6-8		Light-Dark		
Mignonette	20-23°C	7-14	13	Light	cold stratification	
Nigella	16-18°C	10-14		Light		
Phlox	16-18°C	5-10		Dark		
Salvia	20-23°C	10-14		Light		
Scabiosa	15-20°C	10-21		Light-Dark		
Shirley Poppy	16-24°C	14-28		Dark	cold stratification	
Sweet Pea	10-15°C	14-28		Dark	5mm Soaking NOT recommended	
Talinum	20-23°C	4-7		Dark		
Tithonia	21-29°C	7-14		Light-Dark		
Zinnea	23-29°C	5-10		Dark		
HERBS						
Basil	18-21°C	5-10	18°C	Dark		
Bronze Fennel	18-21°C	7-14		Dark		
Coriander	18-21°C	7-10		Dark		
Dill	18-21°C	7-14		Light-Dark		
Lovage	20-25°C	10-14	16°C	Dark		
Parsley	18-21°C	14-30	5°C	Dark		
Perilla	18-21°C	7-21		Light	cold stratification	
Summer Savory	20-21°C	7-14	10°C	Light-Dark		

*Light conditions during germination are critical especially for many flowers.

The seeds of some plant species require light for germination.

(In the table above, seeds that require light for germination are designated with LIGHT in the lighting column.)

After sowing these seeds, lightly press them into the germination medium, but do not cover them.

The seeds of other flowers require darkness (DARK) and should be covered with the germination medium.

Finally, those designated Light-Dark should be very lightly covered, leaving the seeds as close to the soil surface as possible.