

Recommended pH and EC for Hydroponics

While there are recommended EC values for each type of plant, it's still possible to grow a variety of plants with different nutrient needs together in a home setting. In such cases, the grower can list a range of EC values and choose an average value. In most home systems, the chosen value typically falls between 1.2EC and 2.0EC, considering the requirements of the main crop types being grown.

Regarding pH values, it's important to note that the given range for hydroponic applications is broad, with an average of 6.0 - 6.5pH.

VEGETABLES	EC Value	pH Value
Asparagus	1.4 to 1.8	6.0 to 6.8
Broccoli	2.8 to 3.5	6.0 to 6.8
Cabbage	2.5 to 3.0	6.5 to 7.0
Celery	1.8 to 2.4	6.5
Cannabis	0.5-1.3	5.8 – 6.2
0.8-1.3 for seedlings; 0.5-1.3 for clones; 1.3-1.7 under vegetative phase; 1.2-2 during flowering		
Carnation	2.0 to 3.5	6
Cucumber	1.7 to 2.0	5.0 to 5.5
Leek	1.4 to 1.8	6.5 to 7.0
Lettuce	1.2 to 1.8	6.0 to 7.0
Mixed Greens	0.4-1.2	6.0 to 7.0
Mint	1.0 - 1.4	6.5 – 7.0
Pak Choi	1.5 to 2.0	7
Pea	1.4-1.8	6.0-7.0
Peppers	0.8 to 1.8	5.5 to 6.0
Parsley	1.8 to 2.2	6.0 to 6.5
Spinach	1.8 to 2.3	6.0 to 7.0
Strawberry	1.8 to 2.2	6
Tomato	2.0 to 4.0	6.0 to 6.5

Garlic	1.4-1.8	6.0 to 6.5
Watercress	0.4-1.8	6.5-6.8

HERBS	EC VALUE	pH VALUE
Anise	0.9-1.4	5.8-6.4
Basil	1.0-1.6	5.5-6.0
Catnip	1.0-1.6	5.5-6.5
Chamomile	1.0-1.6	5.5-6.5
Chervil	0.8-1.8	5.5-6.0
Chickory	2.0-2.4	5.5-6.0
Chives	1.8-2.4	6.0-6.5
Cilantro	1.2-1.8	5.8-6.4
Coriander	1.2-1.8	5.8-6.4
Dill	1.0-1.6	5.5-6.4
Fennel	1.0-1.4	6.4-6.8
Lavender	1.0-1.4	6.4-6.8
Lemon Balm	1.0-1.6	5.5-6.5
Marjoram	1.6-2.0	6
Mint	2.0-2.4	5.5-6.0
Mustard Cress	1.2-2.4	6.0-6.5
Oregano	1.8-2.3	6.0-7.0
Parsley	0.8-1.8	5.5-6.0
Rosemary	1.0-1.6	5.5-6.0
Sage	1.0-1.6	5.5-6.5
Tarragon	1.0-1.8	5.5-6.5
Thyme	0.8-1.6	5.5-7.0
Vietnamese Coriander	1.2-1.8	6.5-6.8
Watercress	0.4-1.8	5.8-6.4