

PLANT NUTRIENT REQUIREMENTS

Crop Type	Yield (t/ha)	Nitrogen Kg N/ha	Phosphorus kg P₂O₅/ha	Potassium Kg K₂O/ha
Carrot	30	90	80	160
Fennel	50	140	80	160
Wheat	5	150	100	100
Barley	5	100	80	80
Oats	4	60	80	60
Maize	10	250	100	120
Sorghum	30	250	100	150
Rape seed	3	100	100	100
Chickpea	2	30	80	80
Broad bean	3	20	80	80
Bean	3	20	80	80
Pea	15	30	80	160
Grass	30	70	100	100
Sulla	15	50	120	120
Potatoes	30	150	120	240
Basil	30	90	50	150
Brussels sprouts	10	110	80	160
Cabbage	30	110	70	160
Chicory	40	130	60	180
Endive	25	90	50	150
Lettuce	30	130	60	180
Leek	30	150	60	180
Parsley	30	80	60	120
Celery	20	160	90	180
Spinach	25	120	50	150
Asparagus	6	90	80	150
Artichoke	30	170	60	180
Broccoli	20	140	90	180
Cauliflower	30	100	70	160
Dill	1	110	80	80
Cucumber	50	180	120	240
Watermelon	50	160	90	180
French bean	30	40	50	100
Eggplant	35	170	80	240

Melon	40	150	100	200
Pepper	40	200	100	300
Tomato	50	130	100	200
Pumpkin	30	130	80	160
Courgettes	26	130	100	200
Garlic	12	150	80	160
Onion	30	120	80	160
Beet	60	160	70	210
Radish	30	40	100	100
Turnip	30	90	80	160
Table grapes	20	180	90	210
Wine grapes	15	110	60	180
Quince	12	90	60	120
Apple	30	130	60	140
Pear	25	160	80	160
Apricot	20	170	70	210
Cherry	20	110	80	80
Almond	10	100	80	80
Peach / Nectarine	30	170	70	210
Plum	20	150	60	180
Orange	25	210	90	210
Lemon	25	200	80	200
Tangerine	25	180	80	180
Grapefruit	30	170	70	160
Olive	3	130	80	160
Fig	10	90	60	120
Pomegranate	10	90	60	120
Strawberry	30	190	100	300
Mulberry	12	120	60	180