

Tabelle1

## Eutopia Borealis <https://www.beyondbuckthorns.com/node/356>

### Nutrient Calculations

#### Annual requirement

Amount	What	Full grown canopy area in m <sup>2</sup>	Total canopy area in m <sup>2</sup>	N requirement in g / m <sup>2</sup> year			K requirements in g / year		
				Moderate croppers	Heavy Croppers	Annual Vegetable	Moderate cropper	Heavy Croppers	Annual Vegetables
				3	8	28	3	10	37
12	Apple	7,065	84,78		678,24			847,8	
1	Pear	7,065	7,065		56,52			70,65	
2	Plums	14,13	28,26		226,08			282,6	
2	Red currants	0,8	1,6		12,8			16	
14	Sea Buck-thorns	4,71	65,94					659,4	
				<b>Total N</b>			<b>Total K</b>		
				<b>973,64</b>			<b>1876,45</b>		

#### N-Fixers

Amount	What	m <sup>2</sup>	Total m <sup>2</sup>	N fixation in g / m <sup>2</sup> year	
				Full light	Partial light
				10	5
14	Sea Buck-thorns	7,065	98,91	989,1	
8	Alder	7,065	56,52	565,2	
	Willows	7,065	0	0	
<b>Total N</b>				<b>1554,3</b>	

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## Annual contribution

Yearly	Suffix	Source	Amount N	Suffix	Amount K	Suffix	N g / year	K g / year
		N-Fixer in Full light	10 G / m <sup>2</sup>				1554,3	
		N-Fixer in Half light	5 G / m <sup>2</sup>					
180	pees	Human Urine	5,6 G / pee		7 G / pee		1008	1260
24	plants	Comfrey Single Cut	0,5 G / cut		10 G / cut			240
50000	L	Biogas slurry	1,60 %		1,00 %		800	500
<b>Total</b>							<b>3362,3</b>	<b>2000</b>

	N	K
<b>Contributions</b>	3362,3	2000 g / year
<b>Requirements</b>	973,64	1876,45 g / year
<b>Surplus / deficiency</b>	<b>2388,66</b>	<b>123,55 g / year</b>