Table S1. List of traits and formu	Ilas used in the study.		
Abbreviation	Description	Units	Formula
Phenology			
FloweringDate	Date of terminal flowering		
HarvestDate	Date of plant harvest		
Architecture			
MCD	Maximum canopy diameter	cm	
MCDH	Height of the maximum canopy diameter	cm	
Height	Height	cm	
MCDtoH	Ratio of MCD to H		MCD/H
InitialHeight	Height at transplant	cm	- /
StemDiam	Stem diameter	mm	
BiconeVol	Bicone volume calculated from kite dimensions	cm^3	ni*MCD^2*Height/3
MCDHBatio	Batio of MCDH to H	citr 5	MCDH/H
	The angle between the MCDH line and the upper hypotenuse	dogroos	180/ni * stan/(Height-MCDH) / (MCD/2))
LowerAng	The angle between the MCDH line and the lower hypotenuse	degrees	180/pi * atan((CC) (MCD)/2))
Uratio	The ratio between the UpperAng and LowerAng	uegrees	Lipport ag / owording
	The rum of the UpperAng and LowerAng	dogroop	
OpperAngplusLowerAng	The sum of the opperang and Lowerang	degrees	Opperang + Lowerang
lowerHyp	The length of the lower hypotenuse	cm	sqrt(MCDA2 + MCDHA2)
иррегнур	The length of the upper hypotenuse	cm	sqrt(MCD^2 + (Height-MCDH)^2)
kite_area	The area of the kite model	cm	(Height * MCD)/2
kite_perim	The perimeter of the kite model	cm	(lowerHyp + upperHyp)*2
KITE_CIFC	I ne circularity of the kite model		4*pi*(kite_area/(kite_perim^2))
kite_bra	The branch angle of the kite model (angle between the height line and	degrees	180/pi * asin((MCD/2) / lowerHyp)
kite_hypr	The ratio between the upperHyp and lowerHyp		upperHyp / lowerHyp
CanopyArea	The two-dimensional area of a field occupied by the the plant	cm^2	MCD^2
Biomass			
WetBiomass	The wet biomass of the plant	kg	
DryBiomass	The dry biomass of the plant	g	
StrippedBiomass	The stripped inflorescence biomass	g	
StemBiomass	The stem biomass	g	
S1dry	The amount of dry biomass in S1	g	
S2dry	The amount of dry biomass in S2	g	
S3dry	The amount of dry biomass in S3	g	
S4dry	The amount of dry biomass in S4	g	
S5dry	The amount of dry biomass in S5	g	
mainstemdry	The amount of dry biomass in the main stem	g	
, S1strip	The amount of stripped inflorescence biomass in S1	g	
S2strip	The amount of stripped inflorescence biomass in S2	g	
S3strip	The amount of stripped inflorescence biomass in S3	g	
S4strip	The amount of stripped inflorescence biomass in S4	g	
S5strip	The amount of stripped inflorescence biomass in S5	ø	
logS4strintoS5strin	The log of S4strin S5strin	ь	log(S4strin/S5strin)
PronDry	The ratio of DryBiomass:WetBiomass		DryBiomass/WetBiomass
PronStrinned	The ratio of StrippedBiomass: DryBiomass		StringedBiomass/DryBiomass
1PronStripped	The proportion of \$1 dry biomass that was stripped		S115trin/S1dry
S2BronStripped	The proportion of S1 dry biomass that was stripped		S2Strip/S2dn/
S2PropStripped	The propertion of S2 dry biomass that was stripped		S2Strip/S2dry
SAPropStripped	The proportion of 54 dry biomass that was stripped		SSSUIP/SSUIY
SE Bron Stringood	The propertion of SE dry biomass that was stripped		SEStrip/SEdry
Saratel	The proportion of 55 dry biomass that was stripped		SSSLIP/SSULY
Siturola	The proportion of total dry biomass from S1		SIGIY/DIVBIOINASS
	The proportion of total dry biomass from S2		S2uly/DryBiomass
Satorotal	The proportion of total dry biomass from S3		S3dry/DryBiomass
S4toTotal	The proportion of total dry biomass from S4		S4dry/DryBiomass
ISTO I DJCC	The proportion of total dry blomass from 55		SSORY/DryBiomass
StrpPerArea	stripped biomass produced per unit area	g cm^-2	StrippeaBiomass/CanopyArea
wetCanopyDensity	wet biomass produced per unit volume	кg m^-3	WetBiomass/(BiconeVol/1000000)
DryCanopyDensity	Dry biomass produced per unit volume	g m^-3	StrippedBiomass/(BiconeVol/1000000)
logDryCanopyDensity	Log of DryCanopyDensity		log(DryCanopyDensity)
Cannabinoids			
S1TPC	The total potential cannabinoid concentration of S1	%	
S2TPC	The total potential cannabinoid concentration of S2	%	
S3TPC	The total potential cannabinoid concentration of S3	%	
S4TPC	The total potential cannabinoid concentration of S4	%	
S5TPC	The total potential cannabinoid concentration of S5	%	
CannabConcWeighted	The weighted concentration of cannabinoids	%	
CannabinoidYield	The estimated amount of cannabinoids produced by the plant	g	S1TPC*S1toTotal + S2TPC*S2toTotal S5TPC*S5toTotal
CannabinoidsperArea	The estimated amount of cannabinoids produced per unit area	g m^-2	CannabinoidYield/(CanopyArea/10000)
CannabinoidRegressionSlope	The slope of the regression predicting cannabinoid concentration using	plant section	