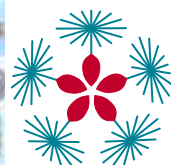
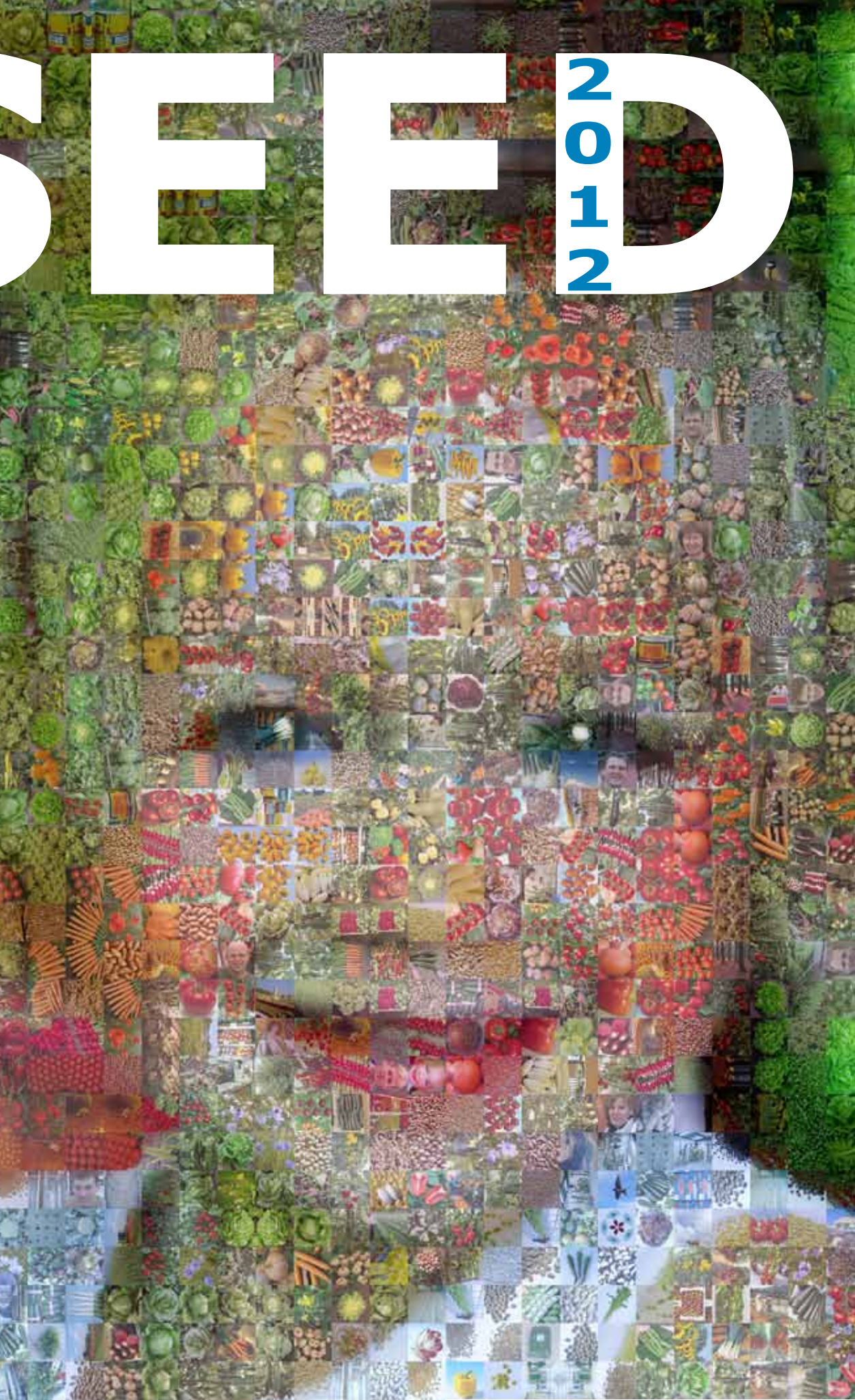


SEED 2012



Vitalis
Organic Seeds

Vitalis, more than just organic seed

The Dutch company Vitalis Biologische Zaden BV was founded in 1994 and is now the world's leading company in organic vegetable breeding and seed production.

Our objective is to produce organically grown seeds from reliable varieties which meet consumer demands as well as the special characteristics that organic farmers require. In order to achieve this objective, Vitalis breeds and selects an increasing number of varieties in organic trials, all over Europe. In 1998 Vitalis joined the Enza Zaden Group, enabling the company to extend their assortment with the top varieties of Enza Zaden. These varieties are being specially trialed in order to ascertain their suitability for organic cultivation. Only those varieties that meet the criteria will be added. In this way Vitalis can offer you an extensive range of organic seeds particularly suitable for organic cultivation. With our experience in organic plant breeding and seed production over the years, we can now claim to be the leading company in the field of organically grown seeds for the professional horticultural market.

The commercialization and distribution of the organic seeds take place via Enza Zaden's worldwide network. Look for your local dealer and specific information on www.enzazaden.com

This catalogue represents our assortment which we offer in Europe and in most other parts of the world. See for more information www.biovitalis.eu

NOTE: Not all varieties in this catalogue might be available in your country. Please consult your local dealer for further details.

For North America, Canada, the USA and Mexico we have a special catalogue.

See for more information www.vitalisorganic.com



All our seeds are produced organically. The seeds are grown in compliance with EU-regulation 834/2007 for organic production. Our SKAL registration number is 017981.



We are certified for the NOP (National Organic Program) Standards of the USDA. Certificate number is CU800388.










































Lettuce	Colour ● = green ● = red O = Open field G = Greenhouse	North EU								South EU				Resistances		Hr	Ir	Comments
		Spring	Summer	Autumn	Winter	Spring	Summer	Autumn	Winter									
Butterhead Lettuce																		
Analena	1	O	✓		✓			✓		✓				✓	Bl:1-25,27,28/ Nr:0	LMV	Large frame, good field keepability, nice bottom.	
Barilla	1	O	✓	✓	✓			✓		✓					Bl:1-27/Nr:0	LMV	Strong base, good volume.	
Lobela (E 13.8200)	1	O	✓	✓	✓			✓	✓	✓					Bl:1-28/Nr:0	LMV	Large frame, fresh green colour.	
Maditta	1	O	✓	✓				✓		✓					Bl:1-27/Nr:0	LMV	Mid sized, beautiful bottom, strong on tipburn.	
Pronto	1	O	✓	✓	✓			✓	✓	✓					Bl:1-24,27,28	LMV	Good volume, nice colour, strong against tipburn.	
Laurenzio	2	O	✓	✓	✓										Bl:1-26,28/Nr:0	LMV	Smooth leaved red butterhead.	
Roxy	2	O	✓	✓				✓		✓					Bl:1-16,21,23		Nice base, slow bolting, strong against tipburn.	
Sebastiano	2	O	✓	✓	✓					✓					Bl:1-27		Savoyed. The new standard.	
Astraca	1	G	✓										✓		Bl:1-27		Big size. Strong on tipburn.	
Bertilo (E 11.6367)	1	G						✓		✓					Bl:1-27		Promising new variety, very strong heads.	
Brighton	1	G	✓		✓	✓									Bl:1-28		Very nice shape, nice bottom, strong on tipburn.	
Volare (E 11.3110)	1	G						✓		✓					Bl:1-27		Small to medium sized, good yellow heart.	
Iceberg Lettuce																		
Acula	1	O												✓	Bl:1-27/Nr:0	LMV	Real winter variety, good at low light levels.	
Ametist	1	O	✓					✓		✓					Bl:1-27/Nr:0		Early variety, fast, nice bottom, flat veins.	
Beyonce	1	O												✓	Bl:1-27		Variety for winter production in South Europe.	
Cellist (E 14.3790)	1	O	✓	✓	✓			✓	✓	✓					Bl:1-28/Nr:0		Good resistance to Bremia. Mid size fast. Nice round shape.	
Etude	1	O	✓	✓											Bl:1-27		Early, medium sized with a round head, upright.	
Pikua	1	O						✓							Bl:1-27/Nr:0		Good volume, field keepability, strong on tipburn.	
Realist	1	O	✓		✓			✓							Bl:1-27/Nr:0		Reliable, strong on internal tipburn and bolting.	
Stylist	1	O	✓	✓	✓			✓		✓					Bl:1-27/Nr:0		A standard in organic, strong against bolting.	
Tesela	1	O											✓		Bl:1-27	LMV	Large framed, nice clean bottom, easy to harvest.	
Tevion	1	O		✓	✓										Bl:1-27/Nr:0		Nice flat round shape.	
Batavia Lettuce Open																		
Bonaly (E 15.3764)	1	O		✓	✓					✓					Bl:1-28/Nr:0	LMV	Mid sized, slow bolting, open variety.	
Bovary (E 15.4192)	1	O						✓		✓					Bl:1-28/Nr:0	LMV	Voluminous vigours and upright. Good in cold conditions.	
Caipira	1	O	✓	✓	✓			✓	✓	✓					Bl:1-26,28/Nr:0	LMV	Mid sized, slow growing, very strong on bolting.	
Corany	1	O	✓	✓	✓			✓	✓	✓					Bl:1-26,28/Nr:0		Shiny, good filled, slow bolting, strong on tipburn.	
Marady	1	O	✓		✓			✓		✓				✓	Bl:1-20,22-24, 27,28	LMV	Upright growth, strong base, shiny.	
Maritima	1	O	✓	✓	✓			✓	✓	✓					Bl:1-28/Nr:0	LMV	Good volume, fast filling, nice green colour.	
Kamalia	2	O	✓	✓				✓	✓	✓					Bl:1-16,21,23		Fripped leaves, bright red colour.	
Friendly (E 10.1163)	1	G						✓					✓		Bl:1-26,28		Large frame, upright, strong on tipburn.	
Frizella	1	G	✓						✓				✓		Bl:1-28	LMV	Medium sized, well closed base, upright growth.	
Kismy	1	G	✓					✓	✓				✓		Bl:1-26,28		Good shape, nice dark colour.	
Marize (E 10.3840)	1	G						✓					✓		Bl:1-28		Good volume. Strong in cold. Nice bottom.	
Batavia Lettuce Heading																		
Elanda	1	O	✓	✓	✓			✓		✓					Bl:1-27	LMV	Classic heading type, strong on bolting + tipburn.	
Grazer Krauthauptel 2	1	O	✓	✓	✓												Heritage from Austria, robust variety.	
Marcord	1	O	✓	✓	✓										Bl:1-16,21,23		Classic heading type, strong tolerance to Bremia.	
Lioba	2	O	✓	✓	✓			✓	✓	✓					Bl:1-27	LMV	Dark red and large, upright growth, slow bolting.	
Maravilla de Verano Capora	2	O	✓	✓				✓	✓	✓							Classic type, long shelf life, good taste.	

Tomato

	Mean fruit weight (g)	Heated	Non-heated	Tunnel	Open field	Truss	Resistances			Comments
							Hr	Ir	Wf	
Beef										
Afamia F1 (E 26.33868)	180	✓	✓	✓			ToMV/Va/Vd/Fol:0,1/For	TSWV/Ma/Mi/Mj		For Middle East, winter and spring.
Amaral F1	200	✓	✓	✓	✓		ToMV/Ff:1-5/Lt/Va/Vd/Fol:0,1/For	TSWV/Ma/Mi/Mj		Flat round, high quality fruits.
Arbason F1	210	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0,1			High stress tolerance, reliable.
Belle F1	210	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0,1			Easy grower, standard variety.
Benatar F1 (E 27.33634)	240	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0-2/For	TSWV/Ma/Mi/Mj		Medium early, uniform size, good red colour.
Fiorentino F1	200	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0-2	TYLCV/Ma/Mi/Mj		Spring crop, excellent quality.
Forenza F1 (E 27.33243)	220	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0,1	On/Ma/Mi/Mj		Vigorous, balanced and uniform.
Gironda F1	210	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0,1			Strong grower, uniform round fruits.
Rally F1	230	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0,1	TSWV/Ma/Mi/Mj		Very early, flat-round fruits.
Vedetta F1	190	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0,1	TSWV		Flexible variety, flat-round, deep red.
Velocity F1	240	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0,1	TSWV/Ma/Mi/Mj		Top quality and reliability.
Vinicio F1 (E 27.33490)	250	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0-2	TSWV/Ma/Mi/Mj		Autumn crop, compact plant, good production.
Salad										
Carson F1	180	✓				✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	Ma/Mi/Mj		Vigorous growth, high yield.
Normal, round										
Douglas F1	100	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0,1			Uniform, firm, well tasting fruits.
Platero F1	110	✓	✓	✓	✓	✓	ToMV/Ff:2,4/Va/Vd/Fol:0,1	TYLCV/Ma/Mi/Mj		Vigorous growth, for non-heated wintercrop.
Pitenza F1	110	✓	✓	✓	✓	✓	ToMV/Va/Vd/Fol:0,1			Famous clustertomato, very good shelflife.
Sparta F1	110	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0,1	Ma/Mi/Mj		Allround variety, good taste.
Bocati F1	110	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	On	✓	Easy setting, usefull resistance package.
Furore F1	120	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1			Uniform trusses, attractive colour.
Cindel F1	125	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0,1			Early setting, good shelflife.
Fado F1	125	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	TSWV/Ma/Mi/Mj		Widely adapted, good shelflife.
Dirk F1	130	✓	✓	✓	✓	✓	ToMV/Va/Vd/Fol:0,1/For	On	✓	Vigorous growth, good truss tomato.
Thalassa F1	140	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	TSWV/Ma/Mi/Mj		Compact open plant, flatround fruits.
Praetorius F1 (E 26.33830)	140	✓	✓	✓	✓	✓	ToMV/Va/Vd/Fol:0,1	TYLCV/Ma/Mi/Mj		Strong plant, very nice truss.
Noralee F1	150	✓	✓	✓	✓		ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	TSWV/TYLCV/Ma/Mi/Mj		Allround variety for non-heated cropping.
Cocktail										
Annamay F1	40	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1	On	✓	Nice trussform, high yield.
Campari F1	50	✓	✓	✓	✓	✓	ToMV/Va/Vd/Fol:0,1/For	Ma/Mi/Mj	✓	Worldwide the most famous cocktail.
Baylee F1	50	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	On	✓	Easy to handle, very productive.
Adoration F1	50	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	On	✓	Campari-type with more resistances.
Annelise F1	55	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	On	✓	Campari-type with more resistances.
Devotion F1	55	✓	✓	✓	✓	✓	ToMV/Va/Vd/Fol:0,1/For	Ma/Mi/Mj	✓	Strong against russetting and goldspeck.
Temptation F1	65	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1/For	Ma/Mi/Mj	✓	Eight fruits per truss, very nice taste.
Cherry										
Suzanne F1	16	✓	✓	✓	✓		ToMV/Ff:1-5/Fol:0,1		✓	Standard in heated greenhouse N-Eu.
Salomee F1	18	✓	✓	✓	✓					Good shelflife, less cracking, S-Europe.
Perlati F1	19	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1	On/Ma/Mi/Mj	✓	Very sweet and many resistances.
Toronjina F1 (E 20.33026)	20	✓	✓	✓	✓		ToMV/Ff:1-5/Fol:0,1			Orange colour, high yield.
Sakura F1	22	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Fol:0,1	Ma/Mi/Mj	✓	Allround variety, vigorous, high yield.
Eletto F1	25	✓	✓	✓	✓	✓	ToMV/Fol:0,1	TSWV/TYLCV		Strong against blossom end rot.
Plum, smal, large										
Santasian F1	12	✓	✓	✓	✓		ToMV/Fol:0			Best real mini plum, robust product.
Goccia F1	22	✓	✓	✓	✓	✓	ToMV/Va/Vd/Fol:0			Vigorous balanced plant, all season.
Sunstream F1	22	✓	✓	✓	✓	✓	ToMV/Va/Vd/Fol:0,1			Excellent taste, nice shape.
Vespolino F1 (E 21.33536)	27	✓	✓	✓	✓	✓	ToMV/Fol:0,1	Ma/Mi/Mj	✓	Mini San Marzano, long trusses.
Matthew F1	34	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1/For			Orange coloured miniplum.
Loreto F1	80	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Va/Vd/Fol:0,1			Vigorous, good production.
Savantas F1	100	✓	✓	✓	✓	✓	ToMV/Ff:1-5/Fol:0,1/For	Ma/Mi/Mj	✓	Easy setting, attractive trusses.
Espino F1	120	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0,1	On	✓	Good variety for heated greenhouse N-Eu.
Naram F1	145	✓	✓	✓	✓	✓	ToMV/Ff:2,4/Va/Vd/Fol:0,1	Ma/Mi/Mj		Nice fruit shape, S-Europe.
Granadero F1	155	✓	✓	✓	✓	✓	ToMV/Lt/Va/Vd/Fol:0,1	TSWV/Ma/Mi/Mj		High productive "Saladette type".
San Marzano										
Atavico F1	100	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0,1/For	Ma/Mi/Mj		Good colour, good winter variety.
Pozzano F1	135	✓	✓	✓	✓		ToMV/Va/Vd/Fol:0,1			Non-greenback, for spring/autumn.
Determinate										
Balsam F1 (E 26.32910)	180	✓	✓	✓	✓	✓	ToMV/Va/Vd/Fol:0,1	TYLCV/Ma/Mi/Mj		For spring-summer, early, productive.



Pepper		Type	Heated	Non-heated	Open Field	Fruitsize (mm)	Resistances		Comments
							Hr	Ir	
Blocky Red/Green heated greenhouse									
Cupra F1		✓			70-75	Tm:0-2			Small fruitsize for UK market.
Ferrari F1		✓	✓		75-80	Tm:0-2			Reliable. Vigorous.
Spirit F1		✓	✓		75-80	Tm:0-2			Allround variety.
Scirocco F1 (E 41.1411)		✓			75-80	Tm:0-3			Generative plant, Spider-type. Fast.
Spider F1		✓			80-85	Tm:0-2			Standard variety in organic. Also for green fruits.
Veyron F1 (E 41.3704)		✓			80-85	Tm:0-3			Fast variety. High yield.
Viper F1		✓			85-95	Tm:0-2			Large fruit, regular setting.
Triple 4 F1		✓	✓		90+	Tm:0-2			Widely adaptable, big fruits.
Blocky Red/Green non-heated Greenhouse									
Gandal F1			✓		75	Tm:0-3	TSWV:P0		Sets well in hot conditions.
Bendigo F1			✓	✓	75-80	Tm:0			Easy grower in NW-Europe.
Celica F1		✓	✓		75-80	Tm:0-2			Early, also in colder conditions.
Telmo F1			✓		80-85	Tm:0-3	TSWV:P0		Winter S-Europe for export.
Nemalite F1			✓		80-85	Tm:0-3	TSWV:P0/ Ma/Mi/Mj		Red nematode resistant (IR) variety.
Sprinter F1		✓	✓		85	Tm:0-3			Best taste, very good in N-Europe.
Imperio F1			✓		90+	Tm:0-3	TSWV:P0		New, flexible, big fruits.
Olympus F1			✓	✓	100+	Xcv:1-3			Large fruit, mainly for green.
Blocky Orange									
Milena F1			✓		85	Tm:0-3	TSWV:P0/ PVY:0TEV		High total yield.
Magno F1			✓	✓	85+	Tm:0-3			Top class, strong plant.
Sweet Green									
E 42088 F1	 <small>Sweet Green</small>	✓			95	Tm:0-2			Sweet Green, very sweet.
Blocky Yellow									
Fiesta F1		✓	✓		75-80	Tm:0-2			Regular setting, quality fruits.
Capino F1			✓		75-80	Tm:0-2	PVY:0		Southern Europe, flexible.
Moonset F1			✓	✓	90+	Tm:0-2			Widely adaptable, large fruits.
Zagato F1 (E 41.9943)		✓	✓		85-90	Tm:0-3			Regular setting, quality fruits. Vigorous
Catrina F1			✓		85+	Tm:0-3	TSWV:P0/ PVY:0-2/Pep		Early, compact plant.
Sweet Conical mini normal									
Rojito F1		✓	✓	✓	25x75	Tm:0			Mini, Red, excellent setting.
E 499531 F1		✓	✓	✓	25x60	Tm:0			Mini, Orange, very tasty.
E 499526 F1		✓	✓	✓	25x60	Tm:0			Mini, Yellow, thick fruitwall.
Acrobat F1		✓	✓		35x145	Tm:0			Red, productive.
Rubiero F1		✓	✓		45x190	-			Longest fruit in conicals.
Cooper F1 (E 49.3461)		✓			45x190	Tm:0-3			Red. Generative variety. Strong on blossom end rot
Oranos F1		✓	✓		35x125	Tm:0			Orange, best tasting pepper.
Xanthi F1		✓	✓		40x145	Tm:0			Yellow.
Jersey F1 (E 49.2950)		✓	✓		45x190	Tm:0			Yellow, high yield. Vigorous.
Various types									
Tejas F1			✓	✓	100x160	Tm:0-3	TSWV:P0		Lamuyo type, large firm fruits.
Lucumone F1			✓		80x120	Tm:0-3	TSWV:P0		Lamuyo red. Early. Open and compact. Easy setting.
Diomede F1			✓		90x150	Tm:0	TSWV:P0/ PVY:0		Lamuyo, very good quality.
Teseo F1			✓	✓	45x210	Tm:0	TSWV:P0/ PVY:0		Corno di Toro type, large.
Belcanto F1			✓	✓	50x150	Tm:0-3			Capia type, flexible plant.
Lehel F1		✓	✓		50x130	Tm:0-2			Hungarian White Point type.
Rootstock									
Al Capone F1 (E 43.1255)		✓				Tm:0	Ma/Mi/Mj		Gives plants a lot of vigour and high yield.



Cucumber

	Heated	Non-heated	Spring	Summer	Autumn	Winter	Fruitlength (cm)	Resistances		Comments
								Cca/Ccu	Px	
Cucumber Long European Type										
Airbus F1	✓	✓	✓	✓	✓		33	Cca/Ccu	Px	Early, fast growing, strong plant.
Defense F1	✓	✓	✓	✓	✓		33	Cca/Ccu	Px/CMV/CVYV	Vigorous, Mid and South Europe.
Dreamliner F1		✓	✓	✓	✓		35	Cca/Ccu	Px/CMV/CVYV	Fruit quality, Mid Europe.
Galaxy F1 (E 31.2055)	✓	✓		✓			30	Cca/Ccu	Px	Vigorous plant.
Lockheed F1	✓		✓	✓	✓		31	Ccu	Px/CMV/CVYV	Flexible variety.
Gulfstream F1 (E 31.2037)	✓			✓	✓		32	Cca/Ccu	Px	Summer - autumn variety with endurance.
Toploader F1 (E 31.2085)	✓			✓	✓		31	Cca/Ccu	Px	For traditional and high wire systems.
Torreon F1	✓		✓	✓	✓		33	Cca/Ccu	Px	Medium strong vigour, early.
Azabache F1		✓				✓	33	Cca/Ccu	CVYV	Standard for winter in South Eu.
Borja F1		✓	✓	✓	✓		31	Cca/Ccu	CVYV	Versatile strong grower, export.
Bowing F1		✓	✓	✓	✓		32	Ccu	Px/CVYV	Medium, compact, good in the heat.
Kalunga F1		✓	✓	✓	✓		31	Cca/Ccu	Px	Flexible, mid-early, easy to grow.
Styx F1		✓	✓	✓	✓		33	Cca/Ccu	Px	Easy to grow, cold greenhouse, N-Europe.
Tyria F1		✓	✓	✓	✓		34	Cca/Ccu	Px	Strong vigour, strong roots.
Cucumber Mini										
Fadia F1		✓	✓	✓			16	Ccu	Px/CMV/CVYV	Well balanced plant, multi fruiting.
Katrina F1	✓	✓	✓	✓			17	Ccu	Px/CMV/CVYV	Standard. Strong vigour, multi fruiting.
Melen F1	✓	✓	✓	✓	✓		17	Cca/Ccu	Px/CMV/CVYV	Compact plant, single fruiting.
Passandra F1	✓	✓	✓	✓	✓	✓	15	Ccu	Px/CMV	High yield, single fruiting.
Picolino F1	✓	✓	✓	✓	✓		14	Cca/Ccu	Px/CMV/CVYV	Adaptable, productive, multi fruiting.
Socrates F1		✓			✓	✓	15	Ccu	Px	Strong vigour, early, single fruiting.
Cucumber Slicer										
Akito F1		✓	✓	✓	✓		21	Ccu	Px/CMV	Strong roots, also open field.
Alcazar F1		✓				✓	20	Ccu	Px/CVYV	Strong growing winter variety.
Corinto F1		✓	✓		✓		22		Px/CMV/CVYV	Early, productive and very uniform.
Dinero F1		✓	✓	✓			23	Ccu	Px/CMV	High productive in summer, long fruit.
Ekron F1		✓	✓		✓		21	Ccu	Px/CMV/CVYV	Well balanced plant, regular production.
Incas F1		✓	✓		✓	✓	19	Ccu	Px/CMV/CVYV	High yielding and widely adapted.
Macario F1 (E 33.15713)		✓				✓	18	Ccu	Px/CMV/CVYV	Flexible winter type.
Paraiso F1		✓	✓		✓	✓	21		Px/CMV/CVYV/CYSVDV	Excellent fruit quality, vigirous, late.
Pontia F1		✓	✓		✓	✓	23	Cca/Ccu	CMV/CVYV	Nice dark green fruits, well known.
Cucumber Pickling										
Excelsior F1		✓	✓	✓	✓		11	Cca/Ccu	Px/CMV/CVYV	Vigorous, multi fruiting, easy setting.



Various Crops

Resistances

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Comments



Leafy Vegetables

Curled Endive (Cichorium endivia)	Atleta			Large voluminous Wallone type.
	Chrono			Fine curled leaves.
	Maratoneta			Voluminous Wallone type.
	Myrna			Semi voluminous size.
	Primafine (E 02.2600)			Improved Très fine Maraîchère.
	Serafine (E 02.2554)			Improved Très fine Maraîchère. Summer.
	Wallone* Markant			Voluminous type.
Flat leaved Endive (Cichorium endivia)	Confiance			Summer and autumn.
	Congo			For early plantings.
	Cuartana			Large heads.
	Nuance			The standard variety.
	Parmance			Voluminous and upright heads.
	Seance			Summer. Voluminous and upright heads.
Chicory witloof (Cichorium intibus)	Metafora F1			For mid-early and late forcing.
	Yellora F1			For early and mid early forcing. Best quality.
Spinach (Spinacea oleracea)	Corvette F1	Pfs:1-11,13		Early.
	Corvair F1	Pfs:1-11,13		Early.
Turnip Tops (Brassica rapa)	Mizuna			Japanese Greens with mustard flavor.
	Namenia			Standard variety. Earlier than Mizuna.
Garden Cress (Lepidium sativum)	Sprint			Grown as seedlings, mustard family.



Fruit Vegetables

Eggplant (Solanum melongena)	Black Pearl F1			Heated/non heated greenhouse, mid-early.
	Falcon F1			Non heated greenhouse or tunnel, early.
	Mirka F1			Tunnel or open field, strong vigour.
	Traviata F1			Greenhouse and tunnel, early, very productive .
Wintersquash (Cucurbita maxima)	Uchiki Kuri			Orange fruits, early maturing, standard.
	Orange Summer F1			F1 hybrid with high yield, orange fruits.
Wintersquash (Cucurbita moschata)	Early Butternut			Open pollinated Butternut.
	Tiana F1		ZYMV	F1 hybrid with high yield, fruits 1,0 - 1,2 kg.
	Hannah F1		ZYMV	F1 hybrid 1,5 - 2,0 kg excellent quality.
Zucchini/Courgette (Cucurbita pepo)	Muscat de Provence			Traditional French variety, large fruits.
	Leila F1		Px	Early, medium green.
	Dunja F1		Px/ZYMV/ PRSV/WMV	Dark green, multiresistant to virusses.
	Dundoo F1		Px/ZYMV	Dark green fruits, compact plant.
Melon (Cucumis melo)	Natura F1		Px	For greenhouse, Southern Europe.
	Eminenza F1 (E 81.5058)	Fom:0,1,2	Px:1,2,5	Very early Italian Netted type.
	Anish F1	Fom:0,1,2	Px:1,2,5	Mid early Italian Netted type.
	Tirreno F1	Fom:0,1,2/ MNSV	Px:1,2,5	Italian Netted type, late tunnel crop.
	Magnificenza F1 (E 81.5070)	Fom:0,1,2	Gc:1/Px:1,2,5	Italian netted. Late tunnel and openfield crop.
Artemis F1	Fom:0,1,2,	Px:1,2,5	Charentais type, for late tunnel and early openfield.	



Various Crops



Cabbage (Brassica oleracea)

Cauliflower	Edith F1	Quality curd, needs 70-75 growing days. Summer variety.
Kale	Westlandse Winter	Winterhardy traditional Dutch kale.
Kohlrabi	Olivia F1	For greenhouse and early open field.
Kohlrabi	Vikora F1	For openfield, all season.



Bulb and Root Vegetables

Leek (Allium ampeloprasum)	Previta F1	Very early hybrid, long shaft.
	Julita F1 (E 70.0535)	Summer Hybrid, long shaft.
	Miracle F1	Hybrid for autumn, short shaft.
	Herfstreuzen 3* Almera	Mid-early.
	Blauwgroene Herfst* Ardea	Mid-late.
	Blauwgroene Herfst* Axima	Mid-late to late.
	Blauwgroene Herfst* Tadorna	Mid-late to late.
Onion (Allium cepa)	Blauwgroene Winter* Atlanta	Late, overwintering.
	Cassiopea F1	Early long day variety, large yellow bulbs.
	Cronus F1	Long day variety, yellow.
	Red Emperor F1	Red. Late intermediate day, not for storage.
Radish (Raphanus sativus)	Celesta F1	Round red. Worldwide standard for open field and glasshouse.
	Rudi	Round red, open field.
	French Breakfast 2	Cylindrical red/white, OP selection.
Root Turnip (Brassica rapa)	Blanc Globe à Collet Violet	Traditional French turnip, white/violet.
Fennel (Foeniculum vulgare)	Fino	Good selection, slow bolting white bulbs.
Celeriac/Celery (Apium graveolens)	Ibis	Celeriac for fresh market and industry.
	Tall Utah 52/70	Green celery with fleshy stems.
Carrot (Daucus carota)	Jeanette F1	Early Nantes hybrid with good taste.
	Amfine	Amsterdamse-bak type for bunching and processing.
Red Beet (Beta vulgaris)	Alvro Mono	Early, monogerm beetroot for bunching.
	Detroit 2* Storuman	For fresh, industry and storage.



Beans

French Beans (Phaseolus vulgaris)	Markant	Early climbing bean, round oval pods.
	Helda	Climbing bean with flat pods for slicing.



Herbs

For our organic herb seed, please contact Enzazaden Germany or have a look at:
<http://www.enzazaden.de/Products/herbs/>



Resistances

Scientific name	English name	Code	Scientific name	English name	Code
Lettuce					
Viruses			Insects		
Lettuce mosaic virus	Lettuce mosaic	LMV	Macrosiphum euphorbiae	Potato aphid	Me
Fungi			Nasonovia ribisnigri	Lettuce leaf aphid	Nr
Bremia lactucae	Downy mildew	Bl	Pemphigus bursarius	Lettuce root aphid	Pb
Sphingomonas suberifaciens (ex Rhizomonas suberifaciens)	Corky root	Ss			
Spinach					
Fungi					
Peronospora farinosa f.sp. spinaciae	Downy mildew	Pfs			
Pepper					
Viruses			Bacteria		
Chili veinal mosaic virus	Chili veinal mosaic	ChiVMV	Ralstonia solanacearum	Bacterial wilt	Rs
Cucumber mosaic virus	Cucumber mosaic	CMV	Fungi		
Pepper mottle virus	Pepper mottle	PepMoV	Fusarium oxysporum f.sp. capsici	Fusarium wilt	Foc
Pepper yellow mosaic virus	Pepper yellow mosaic	PepYMV	Phytophthora capsici	Buckeye fruit and root rot	Pc
Potato Y virus	Potato Y	PVY	Leveillula taurica (anamorph: Oidiopsis sicula)	Leveillula taurica	Lt
Tobacco etch virus	Tobacco etch	TEV	Nematode		
Tomato spotted wilt virus	Tomato spotted wilt	TSWV	Meloidogyne incognita	Root-knot	Mi
Tobamovirus group			Meloidogyne arenaria	Root-knot	Ma
Pepper mild mottle virus, Tobacco mild green mosaic virus, Tobacco mosaic virus, Tomato mosaic virus		Tm:0-3	Meloidogyne javanica	Root-knot	Mj
Bacteria					
Xanthomonas campestris pv. vesicatoria	Bacterial spot	Xcv			
Tomato					
Viruses			Fungi		
Cucumber mosaic virus	Cucumber mosaic	CMV	Fusarium oxysporum f.sp. lycopersici	Fusarium wilt	Fol
Pepino mosaic virus	Pepino mosaic virus	PepMV	Fusarium oxysporum f.sp. radicle-lycopersici	Fusarium crown and root rot	For
Tobacco mosaic virus	Tobacco mosaic	TMV	Leveillula taurica (anamorph: Oidiopsis sicula)	Powdery mildew	Lt
Tomato spotted wilt virus	Tomato spotted wilt	TSWV	Oidium neolycopersici (ex Oidium lycopersicum)	Powdery mildew	On (ex Ol)
Tomato mosaic virus	Tomato mosaic	ToMV	Verticillium albo-atrum	Verticillium wilt	Va
Tomato yellow leaf curl virus	Tomato yellow leaf curl	TYLCV	Verticillium dahliae	Verticillium wilt	Vd
Bacteria			Nematode		
Clavibacter michiganensis subsp. michiganensis	Bacterial cancer	Cmm	Meloidogyne arenaria	Root-knot	Ma
Xanthomonas vesicatoria (Xanthomonas campestris pv. vesicatoria)	Bacterial spot	Xcv	Meloidogyne incognita	Root-knot	Mi
Ralstonia solanacearum	Bacterial wilt	Rs	Meloidogyne javanica	Root-knot	Mj
Fungi					
Fulvia fulva (ex Cladosporium fulvum)	Leaf mold	Ff (ex Cf)			
Melon					
Viruses			Fungi		
Melon necrotic spot virus	Melon necrotic spot	MNSV	Podosphaeria xanthii (ex Sphaerotheca fuliginea)	Powdery mildew	Px (ex Sf)
Fusarium oxysporum f.sp. melonis	Fusarium wilt	Fom	Golovinomyces cichoracearum (ex. Erysiphe cichoracearum)	Powdery mildew	Gc
Cucumber					
Viruses			Fungi		
Cucumber green mottle mosaic virus	Cucumber green mottle	CGMMV	Cladosporium cucumerinum	Scab and gummosis	Ccu
Cucumber mosaic virus	Cucumber mosaic	CMV	Colletotrichum orbiculare	Anthraco-nose	Co
Cucumber vein yellowing virus	Cucumber vein yellowing	CVYV	Corynespora cassicola	Corynespora blight and target spot	Cca
Cucurbit yellow stunting disorder virus	Cucumber yellowing stunting disorder	CYSDV	Fusarium oxysporum f.sp. cucumerinum	Fusarium wilt	Foc
Papaya ringspot virus	Papaya ringspot	PRSV	Fusarium oxysporum f.sp. radicle-cucumerinum	Fusarium crown and root rot	For
Watermelon mosaic virus	Watermelon mosaic	WMV	Podosphaeria xanthii (ex Sphaerotheca fuliginea)	Powdery mildew	Px (ex Sf)
Zucchini yellow mosaic virus	Zucchini yellows	ZYMV			
Squash / Courgette					
Viruses			Fungi		
Cucumber green mottle mosaic virus	Cucumber green mottle mosaic	CGMMV	Podosphaeria xanthii (ex Sphaerotheca fuliginea)	Powdery mildew	Px (ex Sf)
Papaya ringspot virus	Papaya ringspot	PRSV	Fusarium oxysporum f.sp. cucumerinum	Fusarium wilt	Foc
Squash mosaic virus	Squash mosaic	SqMV	Fusarium oxysporum f.sp. lagenariae	Fusarium wilt	Fol
Zucchini yellow mosaic virus	Zucchini yellows	ZYMV	Fusarium oxysporum f.sp. melonis	Fusarium wilt	Fom
Watermelon mosaic virus	Watermelon mosaic	WMV			
Cucumber mosaic virus	Cucumber mosaic	CMV			

General Terms And Conditions Of Sale (Vitalis's Ref. No. Ex08)

Article 1 – Definitions

1. Vitalis shall mean Vitalis Biologische Zaden B.V, having its registered office in Voorst at Hengelderweg 6 and registered at the Chamber of Commerce of Oost Nederland.
2. Buyer shall mean the natural or legal person entering into a contract of sale with Vitalis for the purchase of Products.
3. Parties shall mean Vitalis and Buyer jointly. 4. Party shall mean either Vitalis or Buyer. 5. Products shall mean seeds and planting material delivered by Vitalis to the Buyer. 6. Processing shall mean the treatment of the Product including, without limitation, the treatment for the improvement of the sowability, germination, plant quality and/or for the prevention of pests and/or diseases. 7. Price List shall mean an overview of the selling prices of Products that Vitalis publishes and distributes from time to time. Vitalis retains the right to change those prices at any time. 8. Incoterms 2000 shall mean the Incoterms 2000 drawn up by the International Chamber of Commerce in Paris (ICC). 9. Product Specifications shall mean the information provided in Schedule 1. 10. Resistance shall mean the information and terminology provided in Schedule 2. 11. Naktuinbouw shall mean the Netherlands Inspection Service for Horticulture having its registered office at Sotaweg 22, Postbus 40 2370 AA Roelofarendsveen, The Netherlands. 12. Order Confirmation shall mean written confirmation of acceptance by Vitalis of the purchase order placed by the Buyer. 13. Offer shall mean the specific sale conditions offered by Vitalis to a Buyer.

Article 2 – Applicability of These General Terms and Conditions

1. These General Terms and Conditions of Sale shall apply to and form part of all contracts of sale of Products entered into by Vitalis and Buyer unless the Parties deviate explicitly from one or more of these provisions in writing.
2. The applicability of Buyer's general terms and conditions are hereby explicitly excluded.
3. The Product Specifications and Resistance Terminology, which have been attached hereto as Schedule 1 and 2 respectively, form an integral part of these General Terms and Conditions of Sale.
4. Any provision of these General Terms and Conditions of Sale that is considered to be null, void or invalid and therefore is set aside, shall be replaced by a provision that approximates as much as possible the nature and intent of the invalid provision. The invalidity of one of the provisions shall not affect the other provisions agreed by the Parties.

Article 3 – Purchase Order and Order Confirmation

1. Vitalis agrees to sell Product to Buyer at the rates set forth in Vitalis's Price List valid at the time of Buyer's purchase order.
2. Offers made by Vitalis are without commitment and will lapse in any case after five working days.
3. An agreement (hereinafter Agreement) shall be considered to be made between Vitalis and the Buyer upon Order Confirmation or upon acceptance of an Offer. No rights or obligations shall therefore arise between the Parties until the Order Confirmation has been sent or an Offer has been accepted.
4. All purchase orders are subject to seed availability and may be prorated by Vitalis. Buyer shall not be entitled to damages if Vitalis elects to prorate any Buyer's purchase order.
5. Vitalis shall always perform its delivery obligation to the best of its ability. Nevertheless, Vitalis shall be entitled to deviate minimally from the purchase order placed by the Buyer with respect to size, packaging, quantity or weight.
6. When placing an order, Buyer shall report which information, specifications and documents are required under the rules and regulations of the country of delivery. The Buyer shall be responsible to inform Vitalis of any formalities that must be complied with to enable importation. The Buyer shall also provide Vitalis with information on any required certificates, phytosanitary matters, import documents or invoices.
7. Vitalis cannot be held liable for delays or non-delivery of an order due to Buyer's failure to comply with the abovementioned obligations. The Buyer shall be liable for any loss or damage incurred by Vitalis due to incorrect or late information.

Article 4 – Prices

1. All prices stated by Vitalis in its Price List and/or in an Offer are:

Article 5 – Cancellation

If a purchase order is cancelled after an Agreement has been made, Buyer shall be required to pay 10% of the invoice price that would have been charged, without prejudice to Vitalis's right to demand compensation in full.

Article 6 – Delivery

1. Vitalis shall deliver the purchased Products to Buyer within a reasonable period of time after Order Confirmation and in accordance with the planting season.
2. Delivery times agreed by the Parties serve as an indication but should not be regarded as firm dates. In the event of late delivery, Buyer shall provide Vitalis with written notice thereof and shall allow Vitalis a further reasonable period of time to deliver the Products. In no event shall Vitalis be liable for damages due to late delivery nor shall Buyer be entitled to end the Agreement made by the Parties.
3. Delivery by Vitalis takes place carriage paid to the agreed destination (CPT) Incoterms 2000, after which the Product shall be for Buyer's own risk and account. Buyer hereby authorizes Vitalis to select the carrier and to charge the cost of transport to Buyer.
4. Vitalis shall be allowed to make partial deliveries and to invoice each delivery separately.

Article 7 – Payment

1. The Buyer shall arrange for payment in Euros within thirty days from the date of invoice by transfer into a bank account specified by Vitalis.
2. The Buyer does not have the right to suspend payment or make deductions or set-offs.
3. If on the thirty-first day after invoice Vitalis has not received payment in full the Buyer shall be in default without any notice being required.
4. In case of payment in installments, the Buyer shall be in default without any notice being required in the event of late payment of any installment and the remaining installments shall become immediately payable.
5. Contractual interest at a rate of one percent per calendar month shall be charged to overdue accounts. The contractual interest due shall be computed over the total invoice amount inclusive of VAT. The contractual interest shall be charged from the date on which the Buyer is in default until the date of payment in full, with part of a calendar month counted as a full month. Each time after expiry of a calendar year the amount on which contractual interest is charged shall be computed increased by the contractual interest due over that calendar year.
6. Vitalis has the right to proceed with extrajudicial collection of overdue accounts without prior notice being required. The Buyer shall pay all costs of extrajudicial collection which are deemed to amount to at least 15% of the amount to be collected with a minimum of EUR 250 ex VAT.
7. Payments made by the Buyer shall first serve to reduce the extrajudicial costs of collection due at that point, then to reduce the outstanding contractual interest and finally to reduce the oldest outstanding invoice.

8. In the event of the Buyer's bankruptcy, liquidation or suspension of payments, all Buyer's payment obligations shall immediately become payable and Vitalis shall be authorized to suspend any further performance of the Agreement or to terminate it, without prejudice to Vitalis's right to claim damages from the Buyer.

9. Vitalis's office in Voorst shall be regarded as the place of payment for all amounts to be paid in relation to the Agreement.

Article 8 – Complaints

1. Buyer shall inspect the Products upon delivery or as soon as possible thereafter. Buyer shall determine, in accordance with the Order Confirmation, whether: in Euros, exclusive of a handling fee of EUR 5, which shall be charged if the value of the Products ordered is less than EUR 25, exclusive of costs of transport and insurance, exclusive of VAT and other government levies.
2. Within five working days after delivery, Buyer shall notify Vitalis in writing of any visible defect or shortcomings. In case of non-visible defects, the written notification should be made within five working days after discovery of the defect.
3. The writing notification shall provide the consignment information (seed lot number, the packing slip and the invoice details) as well as the basis for any complaint in such a manner that Vitalis or an outside expert can verify each complaint.
4. In no event shall the Buyer return the Products unless otherwise agreed by Vitalis in writing.
5. If Vitalis does not receive written notice of a complaint within the applicable time periods, Buyer shall be deemed to have accepted the Products and the sale shall be final. All claims for damage or loss not made in writing within the applicable time period shall be deemed waived by Buyer and Buyer expressly assumes and accepts all liability for such damage or loss.
6. If the Parties are unable to resolve a dispute regarding the quality of the Products, either Party may order an inspection to be performed by Naktuinbouw, with the Party proven to be wrong paying the costs of it.
- 2. Vitalis shall invoice the Buyer for the costs of Products, plus any other costs such as costs of transport, insurance, VAT, etc. 44
the correct items have been delivered; the correct quantities have been delivered; the items delivered satisfy all quality requirements expressly agreed to in writing by the Parties.

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The inspection shall be performed on a certified sample and the findings shall be binding on both Parties, without prejudice to their right to submit disputes concerning the consequences of these findings to the bodies referred to in Article 16.

7. If a complaint is well-founded, Vitalis shall have the right to replace the Products in question or, at its discretion, credit the Buyer for that part of the delivery.

8. In any event, Vitalis liability is limited as provided in Article 12 below.

Article 9 – Reservation of Title

1. Vitalis shall retain title to the Products until the Buyer has complied with all its obligations towards Vitalis including but not limited to payment of invoices, contractual interest and extrajudicial costs of collection.
2. The Buyer may use the Products delivered by Vitalis in the ordinary course of business but may not pledge them to third parties or otherwise use them as security for claims without Vitalis's written consent.
3. If the laws of the country where the Products are delivered provide for farther-reaching possibilities to reserve title other than those contained in this Article, such possibilities shall be deemed to have been agreed by the Parties. The provisions contained in paragraph 2 shall continue to apply if it is unclear whether other possibilities to reserve title apply.
4. At the first request of Vitalis, the Buyer shall create a pledge on all proceeds from the growing of the Products and the sale of them.

Article 10 – Force majeure

1. In the event of force majeure and without judicial intervention being required, Vitalis shall be able to wholly or partially suspend execution of the Agreement or, if the event of force majeure persists, to wholly or partially terminate it. In no event shall Vitalis be required to pay any compensation to the Buyer.
2. Force majeure means: any circumstance that could not be reasonably foreseen and/or influenced by Vitalis and a result of which delivery is impossible or frustrated wholly or partially. Force majeure includes at any rate war, risk of war, riots, floods, water damage, fire, transport difficulties, unforeseen technical complications, breakdowns, strikes at Vitalis or at any third parties engaged by Vitalis, blockades, bans on import and export, full or partial seizure or requisition of stocks at Vitalis or its suppliers by civil or military authorities, lack of transport capacity, non-delivery or late delivery by suppliers of Vitalis, machine breakdowns, destruction and other stagnations in the companies of Vitalis or its suppliers as well as scarcity as a result of which delivery is impossible or frustrated wholly or partially.
3. Force majeure also means any circumstance that gives reason to rely on the harvesting and processing reservations usual in the seed industry. Such circumstances entitle Vitalis to deliver to the Buyer a pro rata volume of the order, without prejudice of the rights provided in the first paragraph of this Article.

Article 11 Product Information, Use and Warranty

1. All illustrations, catalogues and statements provided by or on behalf of Vitalis about quality, composition, weight, measurement, treatment in the broadest sense, applications and properties of the Products correspond as closely as possible to Vitalis's tests and practical experience.
2. Buyer acknowledges that any information provided by Vitalis in relation to the quality (such as viability, germination, mechanical or genetic purity, seed health) and performance of the Products applies only to the tests done by Vitalis, to the specific seed sample used and to the specific conditions under which the tests were done. Buyer agrees that the abovementioned information does not constitute an express or implied warranty.
3. The results obtained by the Buyer will depend on such factors as the place of cultivation, the conditions prior to and during cultivation, including how the Product are stored, the climate, the soil and crop protection methods used by the Buyer. The Buyer shall be solely responsible for determining the suitability and appropriateness of the use of the Products in the different conditions and/or for the different purposes. 4. Vitalis provides all Product information to assist the Buyer and under no circumstances shall Vitalis be liable to Buyer for results deviating from that information. Vitalis shall not be held liable for any information provided in relation to Resistances as defined in Schedule 2 and/or Resistances to diseases indicated per Product.
5. Vitalis shall not be liable to Buyer for any Product that has been treated and/or conditioned and/or manipulated in any other manner by Buyer or by a third party on the Buyer's request.
6. Buyer acknowledges that Products delivered by Vitalis are not fit for human or animal consumption.

Article 12– Liability

1. Vitalis shall under no circumstances be liable for special, incidental or consequential damages (including but not limited to lost profits, lost goodwill, lost revenue, lost production, lost contracts or lost opportunity).
2. In any case and to the greatest extent permitted by law, Vitalis's liability shall be limited to the invoice amount of the delivered Products related to the problem.
3. Buyer hereby explicitly understands and agrees to this limitation of Vitalis's liability.
4. Article 12 may be also invoked by current or former personnel, directors and any third parties engaged by Vitalis, including heirs and legal successors.

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Article 13 – Intellectual Property Rights and Use of the Products

1. Buyer agrees that all intellectual property rights relating to the Products shall at all times be and remain absolutely vested in Vitalis and Buyer shall acquire no rights thereto.
2. Buyer agrees that Vitalis has the exclusive right, title and interest in and to Vitalis's trademarks, trade names and trade dress (including designs and color schemes).
3. Buyer agrees neither to register, nor to have registered, any trademarks, trade names or symbols of Vitalis or those which are confusingly similar to those of Vitalis.
4. Buyer may not use Vitalis's trademark, trade name and/or trade dress for any purpose unless otherwise approved in writing by Vitalis.
5. Under no circumstances shall Buyer use the Products and/or its components and/or its harvestable material in any way for multiplication and/or reproduction of any kind of material.
6. Buyer agrees to allow and fully cooperate with any inspection by Vitalis for the purpose to verify any possible infringement of Vitalis's rights. Buyer shall allow Vitalis or a person or company appointed by Vitalis to have direct access to Buyer's premises including, but not limited to, its greenhouses, administrative and farming activities. The term "activities" shall be understood to include activities carried out by third parties on behalf of the Buyer.
7. Buyer shall fully cooperate with Vitalis to defend its rights against infringement.
8. Buyer shall ensure that anyone who manipulates or somehow receives Products from Buyer shall comply with the obligations set forth in this article.

Article 14 – Suspension and Dissolution of the Agreement

1. In the event a Party fails to perform any of its obligations under the Agreement and such failure continues for a period of thirty (30) days after written notice, the other Party shall be authorized to suspend any further performance of the Agreement or to terminate it, without prejudice to its right to claim damages.
2. If the Buyer is liquidated, files for bankruptcy or is granted suspension of payments, its payment obligations shall be immediately payable and Vitalis shall be authorized to suspend any further performance of the Agreement or to terminate it, without prejudice to the right to claim full compensation Qfrom Buyer.

Article 15 – Applicable Law

These General Terms and Conditions of Sale and all Agreements are governed by Dutch law. The applicability of the Vienna Sales Convention is expressly excluded.

Article 16 – Resolution of Disputes

1. All claims and disputes arising out or relating to the sale of Products or to any provision of these General Terms and Conditions of Sale shall be first referred to mediation to be held in Voorst (The Netherlands).
2. If the Parties fail to resolve the dispute through mediation or in the event that one of the Parties refuse to mediate, the matter shall be decided by binding arbitration to be held in Voorst under the Rules of Arbitration of the International Chamber of Commerce. Vitalis shall however be entitled to summon Buyer at any time to appear before the competent court in the district in which Buyer has its registered office.
3. All rights of action against Vitalis, its employees, directors and members of the Advisory Board ('commissarissen') and/or third parties engaged by it, including heirs and legal successors shall lapse after one calendar year of the occurrence of the incident that gave rise to the action.

Schedule 1 – Product Specifications

1. Introduction

Vegetable growing has become a highly specialized and intensive activity. As a result of the ever increasing demand for a better quality, vegetable growers and plant raisers require an improved quality of basic material. The demand for specific seed forms and more information about seed quality has strongly increased to better influence emergence and required number of plants. Seed is a natural product. The often varying environmental conditions thus influence final results. It is therefore often not possible to give detailed information about seed performance and other seed characteristics. In order to meet customer's demands, ECS has drawn up quality standards for the various seed categories. The specifications mentioned are ECS' minimum standards. In relation to germination, the specifications are based on the use of ISTA methods. In the event that the seed does not meet the product specifications mentioned, ECS will inform their customers.

2. General Definitions

- a) 'Normal Seed' In general normal seed has not been subjected to special processes. It is sold by weight and/or by count, depending on the product. Normal seed complies with the EEC standards.
 - b) 'Precision' 'Precision' seed has been subjected to additional processes. It is of a uniform size and has high germination capacity. 'Precision' seed is sold by count . c) 'Priming' Priming is defined as an activation of the germination process in order to break seed dormancy or obtain a faster or more uniform emergence after sowing. Primed seed is sold by count.
 - d) 'Pill' Pill is the product of a seed pelleting/coating procedure. Pelleting is defined as the process of changing the seed form by covering it with filling materials with the main purpose to facilitate easier sowing. Pelleted seed is sold by count.
 - e) 'Germination' The germination figure mentioned is valid from the moment of delivery. Germination figures refer to the ISTA procedures.
 - f) 'Genetic Purity' Genetic Purity is defined as the percentage of plants derived from a seed lot that meets the variety description.
- ### 3. "Organic Seed"
- a) All seeds, delivered by Vitalis are certified organic according regulation EU 837/2007.
 - b) The organic certification covers seed production, processing and treatments.
 - c) All seeds delivered by Vitalis are not obtained by genetic modification.

Schedule 2 – Resistance

1. Terminology and definitions

- a) 'Immunity' means not subject to attack or infection by a specified pest or pathogen.
 - b) 'Resistance' is the ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.
- Two levels of resistance are defined:
- I. High resistance (HR): plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.
 - II. Intermediate resistance (IR): plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to highly resistant varieties. Intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.
- c) 'Susceptibility' is the inability of a plant variety to restrict the growth and development of a specified pest or pathogen.

2. Information per variety

Resistances in varieties of our crops will be coded (see coding list at www.biovitalis.eu), unless indicated otherwise. In case a variety is resistant to more than one pathogen, the individual resistance codes will be separated by the symbol '/'.

If in a resistance code of a certain variety reference is made to certain strains for which the resistance is claimed this means that no resistance is claimed to other strains of the same pathogen. If, in a resistance code, no reference is made to strains of the pathogen for which the resistance is claimed, resistance is claimed only to certain not further specified strains of the pathogen and we hereby disclaim any guarantee that the variety will not be infected by the said pathogen.





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