







ChardCool	Contrasting traits		F ₁ results	F ₂ results	F ₂ ratio
	round/wrinkled yellow/green	••••••••••••••••••••••••••••••••••••	all round all yellow	5474 round 1850 wrinkled 6022 yellow 2001 green	2.96:1 3.01:1
Pods	full/constricted		all full	882 full 299 constricted	2.95:1 F2 ratio 3:
	green/yellow		all green	428 green 152 yellow	2.82:1
Flower color	violet/white	\$ \$	all violet	705 violet 224 white	3.15:1
Flower position	axial/terminal	1	all axial	651 axial 207 terminal	3.14:1
		1	"dominated"		
Stem length	tall/dwarf	-	all tall	787 tall 277 dwarf	2.84:1

































Mendel completed 7 years of work (33,550 plants) in 1865

In 1900 Correns, DeVries and Tschermack "rediscovered" it.

Expansion of Mendel's Ideas. Application of genetics to other species.

Alfred Garrod (1902, 1909) Inborn Errors of Metabolism

He applied Mendel's ideas to heritable diseases in humans.

Example of Alkaptonuria.

Analysis requires the use of pedigrees since it is not possible to make experimental crosses with large families in humans.









