








JUNÍN WHITE

1. GENERAL INFORMATION

Name of the variety	Adaptation
Junín White	Optimal adaptation on the floors of valleys to 3500 masl.
Location and year of liberation	
Junin region	Main uses <ul style="list-style-type: none"> • Traditional consumption: Soups, salads (leaves), stew, desserts and drinks. • Agribusiness : Expanded, pearled, laminated, ground.
Breeder and maintainer	
National University of the Centre of Peru (UNCP)	
Improvement method	
Massal selection originated at the central region of Peru.	

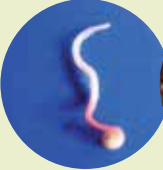







2. MORPHOLOGICAL DESCRIPTION

General Description			
Type of Growth	: Herbaceous		
Growth habit	: Branched to bottom third		
Vegetative cycle	: 160 to 180 days		
Plant height	: 1.50 to 1.70 m		
Average grain yield	: 2.50 t/ha		
			
		© INIA	
		Main stem shape	: With no angles
		Stem diameter	: 1.50 to 1.75 cm
		Presence of pigmented axils	: Present
		Presence of striae	: Present
		Colour of the striae	: Green
Main stem colour	: Green		
Presence of ramification	: Present		
			
		© INIA	
		Edge of the lower leaves	: Dentate
		Teeth of the leaves	: 4 to 8 teeth
		Maximum length of the petiole	: 5.30 to 6.60 cm
		Maximum length of the leaves	: 6.50 to 8.30 cm
		Maximum width of the leaves	: 3.50 to 4.80 cm
Colour of the leaves	: Green		
			
		© INIA	
		Characteristics of the panicle	
		Panicle colour at flowering	: Green
		Panicle colour intensity at flowering	: Tenuous
		Panicle colour at physiological maturity	: Grey
		Panicle colour intensity at physiological maturity	: Tenuous
Panicle shape	: Glomerulate		
Panicle length	: 33.40 to 48.50 cm		
Panicle density	: Intermediate		
Panicle diameter	: 7.80 to 9.30 cm		
Glomerules length	: 8.30 to 11.20 cm		
Number of panicles per plant	: 1		
			
		© INIA	

Grain characteristics		
Grain aspect	: Opaque	
Perigonium colour	: Cream	
Pericarp colour	: Cream	
Episperm colour	: White	
Perisperm colour	: White	
Border grain shape	: Sharp	
Grain shape	: Cylindrical	
Grain colour uniformity	: Uniform	
Seed latency	: Absent	
Grain diameter	: 2.20 mm	
Seed yield per plant	: 35.50 to 40.10 g	
1000-grain weight (g)	: 2.10 g	

© INIA

3. PHENOLOGICAL VARIETY

VEGETATIVE PHASE						REPRODUCTIVE PHASE	
							
Germination	Seedling emergence	Two true leaves	Four true leaves	Six true leaves	Ramification	Beginning of panicle and flowering	Physiological maturity
Days to the emergence of seedlings above ground surface						: 7 days	
Days to the beginning of panicle						: 75 days	
Days to flowering						: 130 days	
Days to physiological maturity						: 170 days	

© INIA

4. REACTION TO BIOTIC AND ABIOTIC FACTORS

Reaction to biotic factors	
PLAGUES	
Ticona o Ticuchis (<i>Feltia experta</i>); (<i>Spodoptera sp.</i>)	: Intermediate
Kcona kcona (<i>Eurysacca quinoae</i> Povolny); (<i>Eurysacca melanocampta</i> Meyrick)	: Low
DISEASES	
Mildew (<i>Peronospora farinosa f.sp. chenopodii</i>)	: Susceptible



© INIA

Reaction to abiotic factors	
Low temperature	: Susceptible
Drought	: Moderately tolerant
Humidity	: Tolerant

5. BROMATOLOGICAL CHARACTERISTICS

Saponin	
Content of saponin	: 3.00 %
Eflusion of saponin	: Regular



© INIA