

SEE LEGUMES

Activity Report

For the period: from start till the Sept. 2011

Prof.dr.sc. Mirko Stjepanović

Dr.sc. Ranko Gantner

Prof.dr.sc. Gordana Bukvić

Faculty of Agriculture in Osijek

Croatia

Several expeditions were undertaken along Croatian territory, within two distinct areas:

1. Continental parts - Slavonija and Baranja counties, from the east to the west side, plain and hilly area were included
2. Coastal zone : Istra peninsula and Pag island



Figure 1. Croatian territory within West Balkans

Acquired accessions belong to several legume species:

1. Common bean (*Phaseolus vulgaris* L.) – 30 accessions
2. Chick pea (*Cicer arietinum* L.) – 2 accessions
3. Black eye bean (*Vigna unguiculata* L.) – 2 accessions
4. Black medic (*Medicago lupulina* L.) – 2 accessions
5. Broad bean (*Vicia faba* L.) - __ accessions

Seeds of almost all accessions acquired were described according to UPOV and recorded at the database. Several, last collected accessions, are to be described and recorded yet.

Described and recorded accessions

Accession nr.:1

Species: common bean

Phaseolus vulgaris L.

Name: Bijeli grah (I)

White bean (I)

Finding site: Vodnjan (Istra)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

round to elliptic

Transversal shape:

elliptic

Hylum color: white

Ring around hylum: white

100-seed weight (g): 28,00

Seed length (mm): 10,48

Seed stoutness (mm): 5,62

Seed width (mm): 7,37

Length/width ratio: 1,42

Width/stoutness: 1,32

Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00



Accession nr.:2

Species: common bean

Phaseolus vulgaris L.

Name: Tetovac

Tetovo bean

Finding site: Vodnjan (Istra)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

kidney

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: white

100-seed weight (g): 66,67

Seed length (mm): 17,35

Seed stoutness (mm): 5,81

Seed width (mm): 9,51

Length/width ratio: 1,83

Width/stoutness: 1,65

Range of all accessions:

18,00 – 130,00

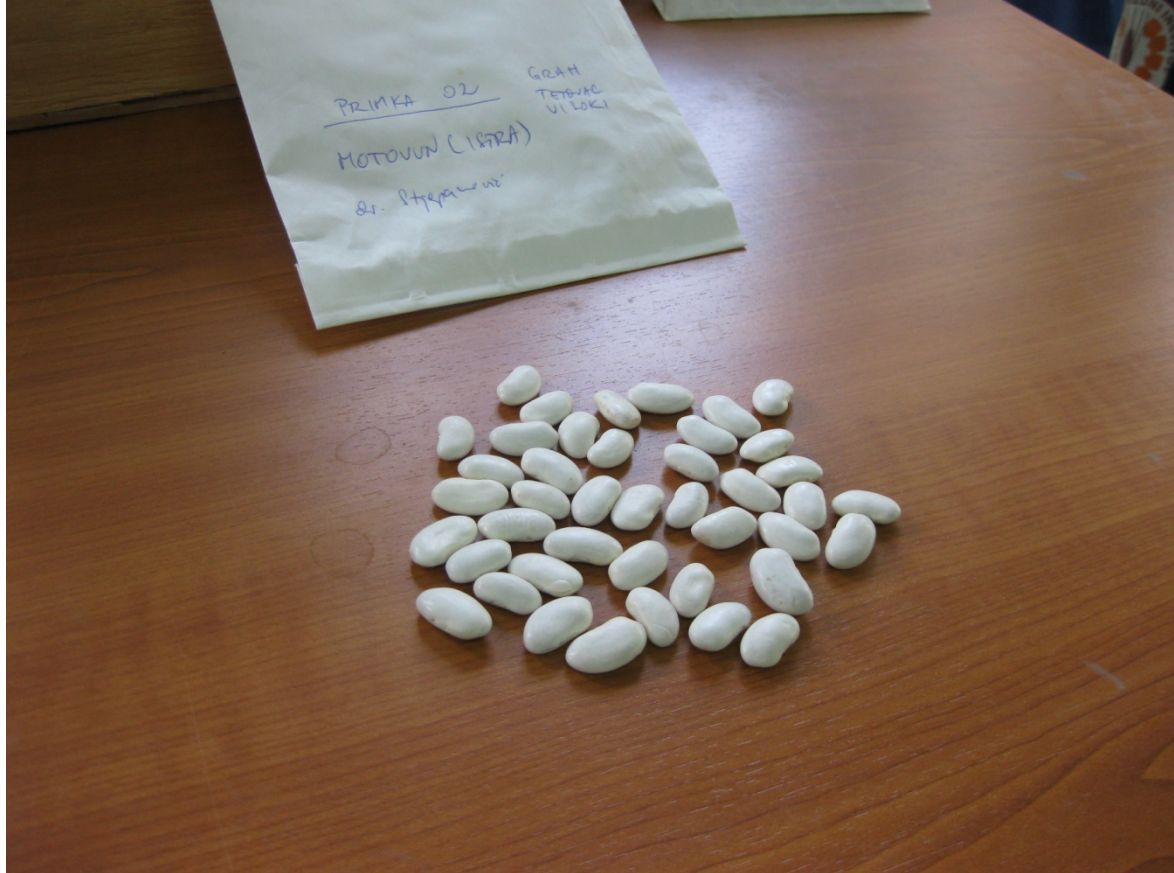
8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00



Accession nr.:3

Species: common bean

Phaseolus vulgaris L.

Name: Zeleni grah

Green bean

Finding site: Istra

Seed testa color I: green

Seed testa color II: absent

Seed testa shine: present

Visible veins: medium

Longitudinal seed shape:

kidney

Transversal shape:

round

Hylum color: white

Ring around hylum: 1. brown

2. green

100-seed weight (g): 38,00

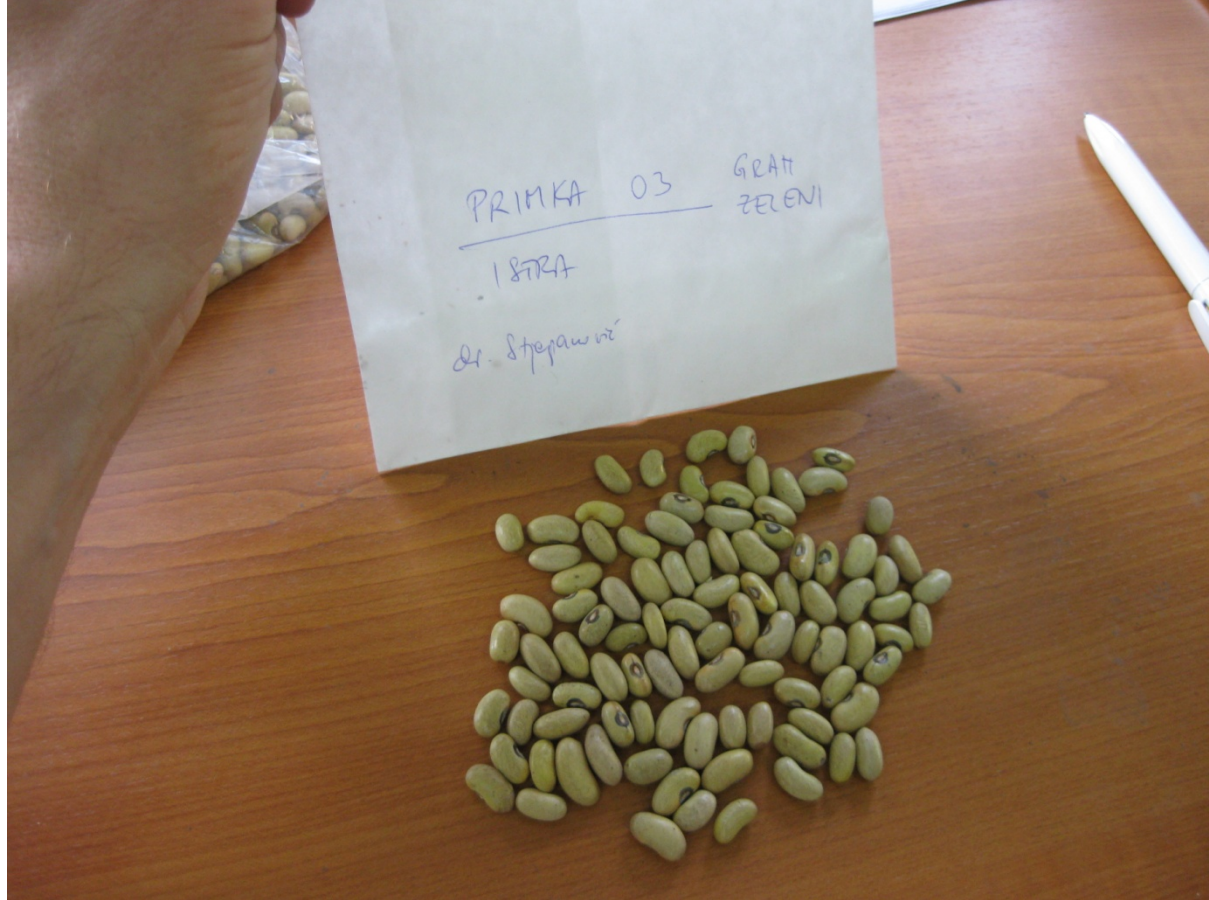
Seed length (mm): 12,88

Seed stoutness (mm): 5,84

Seed width (mm): 6,87

Length/width ratio: 1,88

Width/stoutness: 1,18



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.:4

Species: common bean

Phaseolus vulgaris L.

Name: Bijeli grah (II)

White bean (II)

Finding site: Žminj (Istra)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: medium

Longitudinal seed shape:

kidney

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: white

100-seed weight (g): 40,00

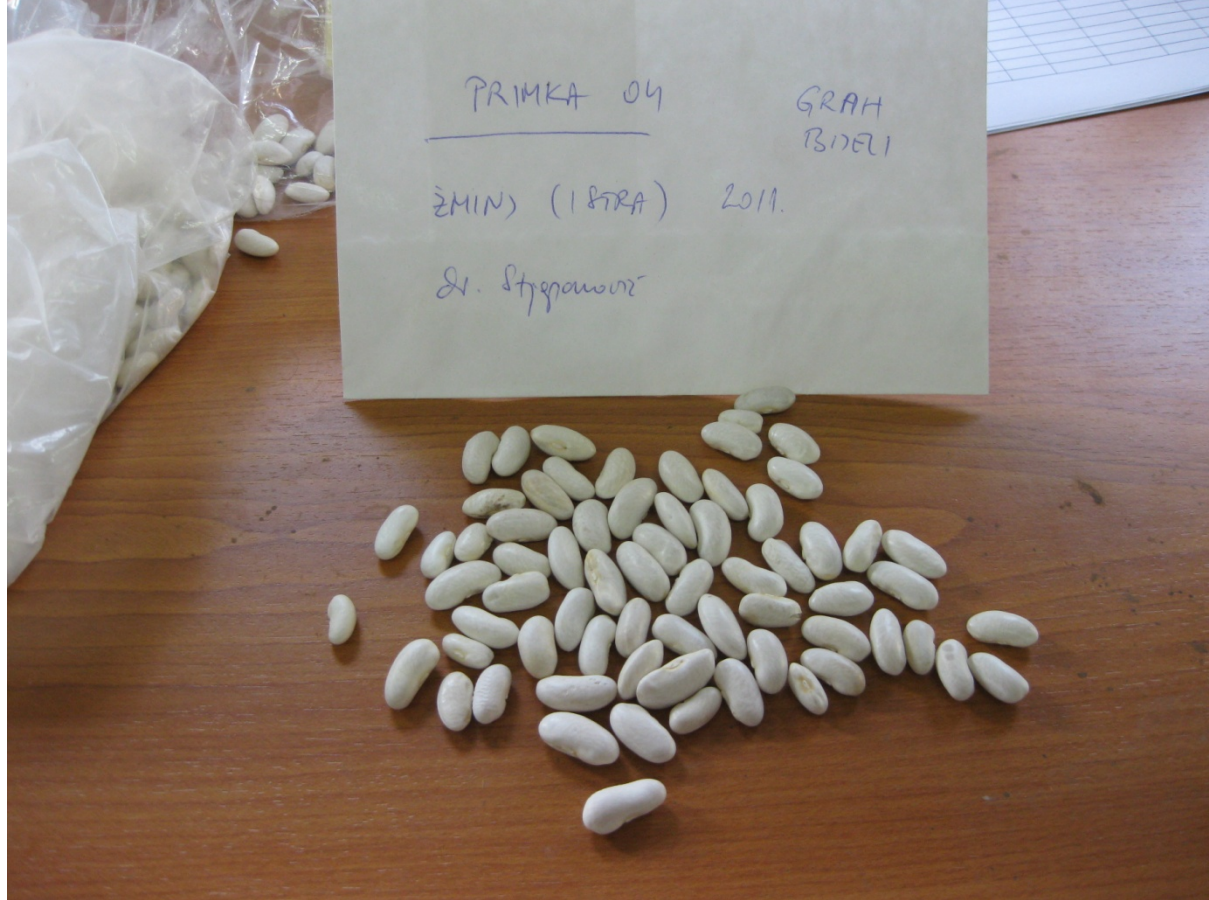
Seed length (mm): 15,37

Seed stoutness (mm): 5,88

Seed width (mm): 7,38

Length/width ratio: 2,08

Width/stoutness: 1,26



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.:5

Species: common bean

Phaseolus vulgaris L.

Name: Žutić

Yellow

Finding site: Pazin(Istra)

Seed testa color I: Brown-yellow

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: medium

Longitudinal seed shape:
kidney

Transversal shape:
eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 48,00

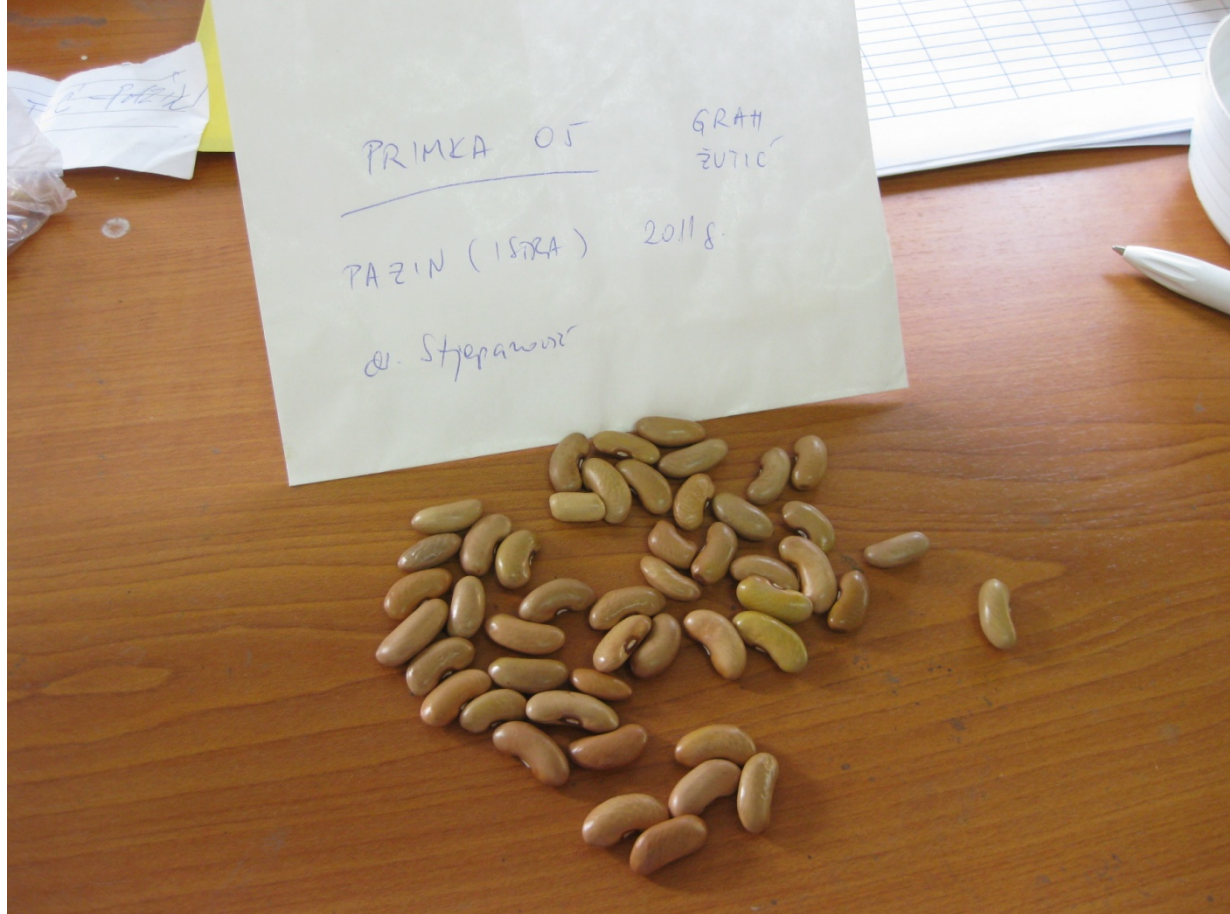
Seed length (mm): 16,49

Seed stoutness (mm): 6,05

Seed width (mm): 7,25

Length/width ratio: 2,28

Width/stoutness: 1,20



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.:6

Species: common bean

Phaseolus vulgaris L.

Name: Kukuruznjak visoki

Corn-by, tall

Finding site:

Seed testa color I: brown

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

kidney

Transversal shape:

Narrow-elliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 44,00

Seed length (mm): 16,76

Seed stoutness (mm): 5,20

Seed width (mm): 9,15

Length/width ratio: 1,83

Width/stoutness: 1,79



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 7

Species: common bean

Phaseolus vulgaris L.

Name: Šareni grah

Motley bean

Finding site: Pazin (Istra)

Seed testa color I: baige

Seed testa color II: purple

Seed testa shine: intensive

Visible veins: no

Longitudinal seed shape:

round -eliptic

Transversal shape:

round

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 46,00

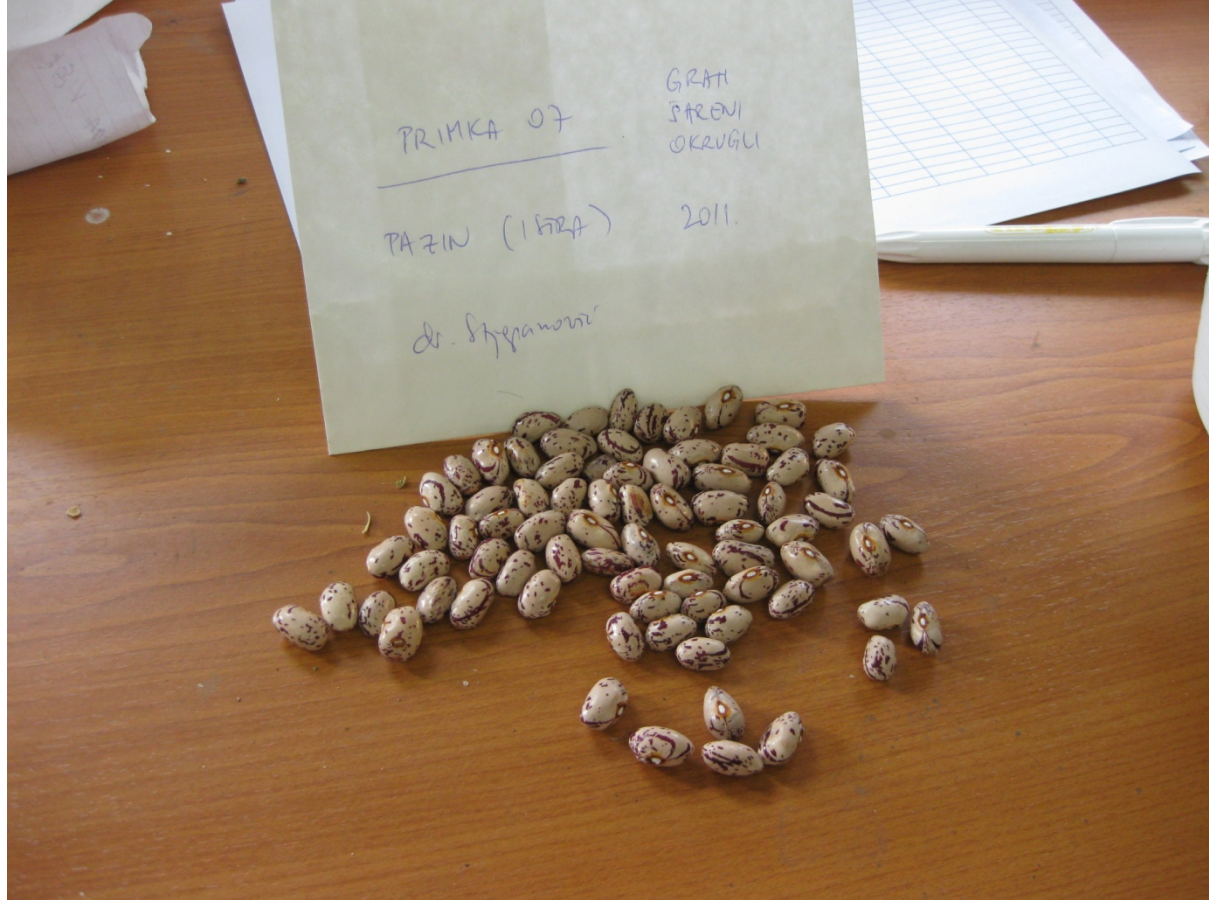
Seed length (mm): 14,52

Seed stoutness (mm): 7,50

Seed width (mm): 8,52

Length/width ratio: 1,71

Width/stoutness: 1,14



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 8

Species: common bean

Phaseolus vulgaris L.

Name: Mangalon niski

Mangalon short

Finding site: Pazin (Istra)

Seed testa color I: baige

Seed testa color II: purple

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

Oval-kidney

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 64,00

Seed length (mm): 17,88

Seed stoutness (mm): 6,72

Seed width (mm): 8,72

Length/width ratio: 2,05

Width/stoutness: 1,30



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 9

Species: common bean

Phaseolus vulgaris L.

Name:

Finding site: Istra

Seed testa color I: baige

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

kidney

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: light

brown

100-seed weight (g): 38,00

Seed length (mm): 15,44

Seed stoutness (mm): 5,65

Seed width (mm): 7,22

Length/width ratio: 2,14

Width/stoutness: 1,28

Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00



Accession nr.: 10

Species: common bean

Phaseolus vulgaris L.

Name: Zeleni grah

Green bean

Finding site: Bobota (Slavonia)

Seed testa color I: green

Seed testa color II: absent

Seed testa shine: present

Visible veins: medium

Longitudinal seed shape:

kidney

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: 1. brown

2. green

100-seed weight (g): 38,00

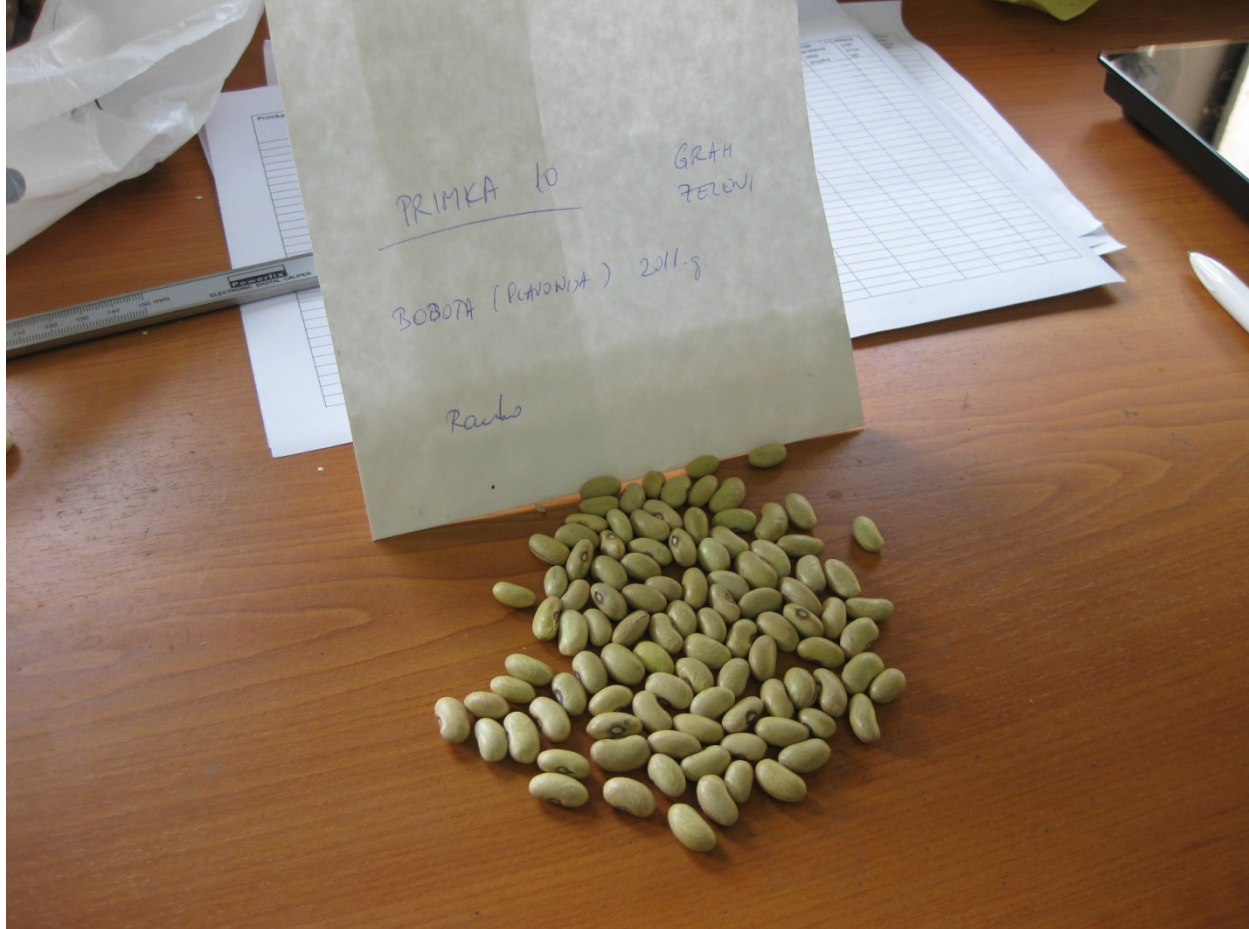
Seed length (mm): 10,48

Seed stoutness (mm): 5,62

Seed width (mm): 7,37

Length/width ratio: 1,42

Width/stoutness: 1,32



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 11

Species: common bean

Phaseolus vulgaris L.

Name: Žuto-zeleni grah

Yellow-green bean

Finding site: Slavonski Brod

Seed testa color I: Light green

Seed testa color II: absent

Seed testa shine: present

Visible veins: medium

Longitudinal seed shape:

kidney

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 26,00

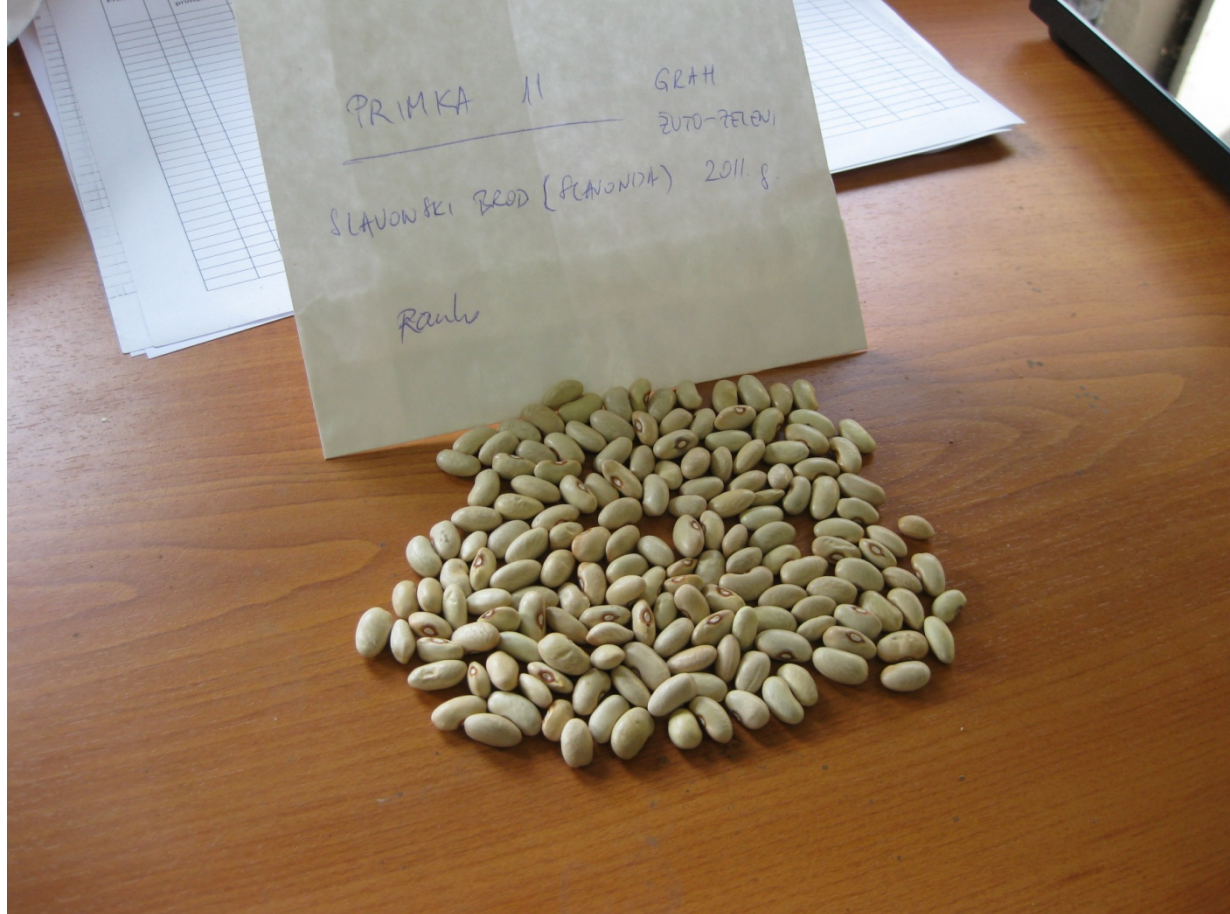
Seed length (mm): 12,17

Seed stoutness (mm): 5,33

Seed width (mm): 6,44

Length/width ratio: 1,90

Width/stoutness: 1,22



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 12

Species: common bean

Phaseolus vulgaris L.

Name: Trešnjevac

Cherry bean

Finding site: Čepin (Slavonija)

Seed testa color I: baige

Seed testa color II: purple

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

kidney

Transversal shape:

round-elliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 60,00

Seed length (mm): 16,94

Seed stoutness (mm): 6,71

Seed width (mm): 8,45

Length/width ratio: 2,01

Width/stoutness: 1,26



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 13

Species: black eye bean

Vigna unguiculata L.

Name: Crnooki grah

Blak eye bean

Finding site: Poveljane (Pag island)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: absent

Visible veins: no

Longitudinal seed shape: kidney

Transversal shape: round

Hylum color: white

Ring around hylum: black

100-seed weight (g): 12,00

Seed length (mm): 7,87

Seed stoutness (mm): 4,83

Seed width (mm): 5,70

Length/width ratio: 1,38

Width/stoutness: 1,18



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 14

Species: black eye bean

Vigna unguiculata L.

Name: Crnooki grah divlji

Wild black eye pea

Finding site: Povljane (Pag island)

Seed testa color I: Olivegreen-grey

Seed testa color II: black spots

Seed testa shine: absent

Visible veins: no

Longitudinal seed shape:

kidney

Transversal shape:

round

Hylum color: white

Ring around hylum: black

100-seed weight (g): 12,00

Seed length (mm): 7,30

Seed stoutness (mm): 4,51

Seed width (mm): 5,59

Length/width ratio: 1,31

Width/stoutness: 1,24



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 15

Species: common bean

Phaseolus vulgaris L.

Name: Bosanac

Bosnian

Finding site: Požega (Slavonia)

Seed testa color I: brown

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

kidney

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 38,00

Seed length (mm): 15,09

Seed stoutness (mm): 4,61

Seed width (mm): 8,38

Length/width ratio: 1,80

Width/stoutness: 1,83



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 16

Species: common bean

Phaseolus vulgaris L.

Name: Bijeli visoki grah

White tall bean

Finding site: Draž(Baranja)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

kidney-rectangle

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: white

100-seed weight (g): 103,33

Seed length (mm): 19,25

Seed stoutness (mm): 7,79

Seed width (mm): 12,76

Length/width ratio: 1,52

Width/stoutness: 1,66



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 17

Species: common bean

Phaseolus vulgaris L.

Name: Šareni visoki grah

Motley tall bean

Finding site: Draž (Baranja)

Seed testa color I: purple

Seed testa color II: black

Seed testa shine: intensive

Visible veins: no

Longitudinal seed shape:

kidney-rectangle

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: black

100-seed weight (g): 90,00

Seed length (mm): 20,14

Seed stoutness (mm): 8,42

Seed width (mm): 12,50

Length/width ratio: 1,62

Width/stoutness: 1,49



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 18

Species: common bean

Phaseolus vulgaris L.

Name: Bijeli okrugli grah

White round bean

Finding site: Erdut (Slavonia)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

round to elliptic

Transversal shape:

round

Hylum color: white

Ring around hylum: white

100-seed weight (g): 30,00

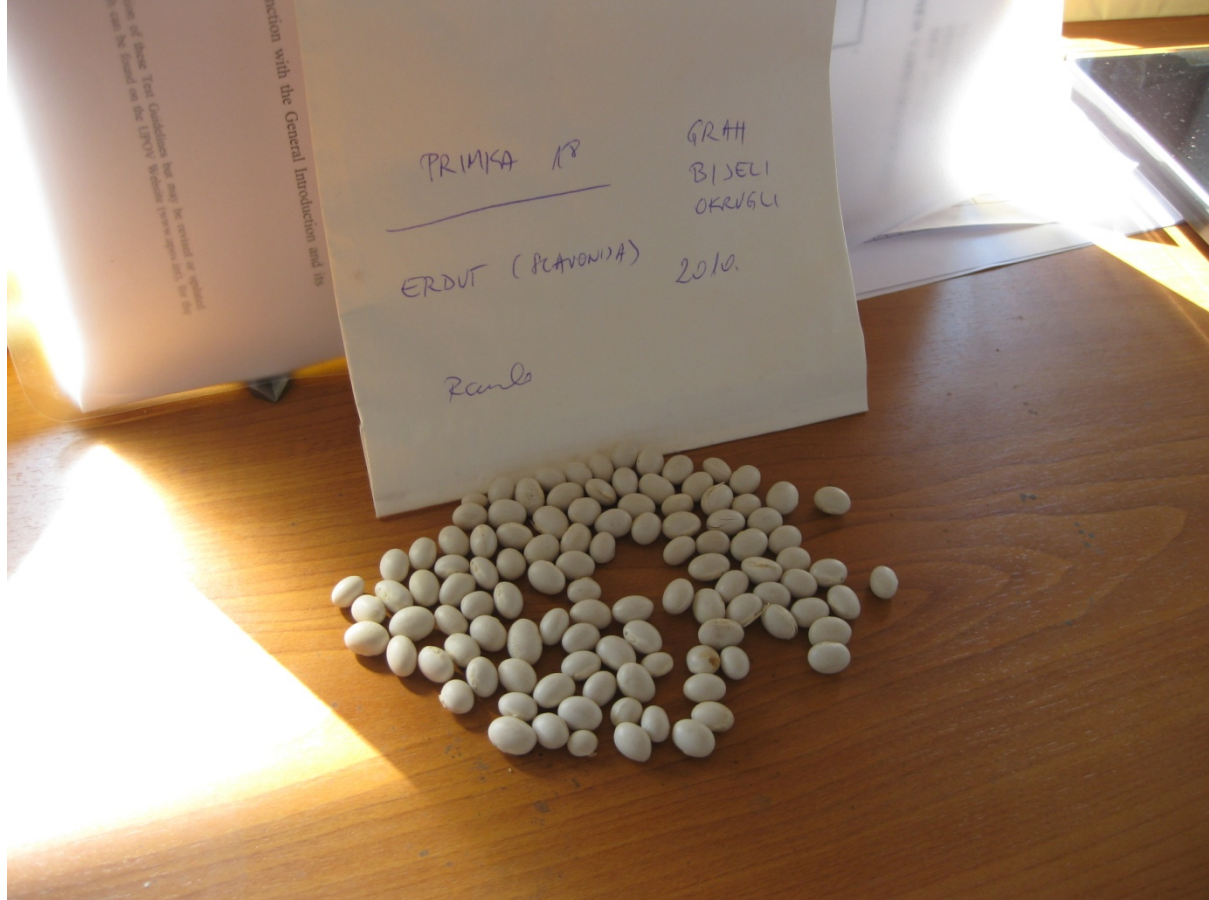
Seed length (mm): 9,93

Seed stoutness (mm): 6,77

Seed width (mm): 7,71

Length/width ratio: 1,29

Width/stoutness: 1,14



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 19

Species: common bean

Phaseolus vulgaris L.

Name: Slavonski zeleni grah

Slavonian green bean

Finding site: Osijek (Slavonia)

Seed testa color I: light green

Seed testa color II: absent

Seed testa shine: medium

Visible veins: medium

Longitudinal seed shape:

kidney

Transversal shape:

round

Hylum color: white

Ring around hylum: 1. brown

2. green

100-seed weight (g): 40,00

Seed length (mm): 14,03

Seed stoutness (mm): 5,86

Seed width (mm): 7,08

Length/width ratio: 1,98

Width/stoutness: 1,21

Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00



Accession nr.: 20

Species: common bean

Phaseolus vulgaris L.

Name: Smeđi grah

Brown bean

Finding site: Ivandol (Slavonia)

Seed testa color I: brown

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

kidney

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: dark brown

100-seed weight (g): 38,00

Seed length (mm): 16,16

Seed stoutness (mm): 5,06

Seed width (mm): 8,13

Length/width ratio: 1,99

Width/stoutness: 1,61



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 21

Species: common bean

Phaseolus vulgaris L.

Name: Tetovac (?)

Tetovo bean (?)

Finding site: Pakrac (Slavonija)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

kidney-rectangle

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: white

100-seed weight (g): 123,33

Seed length (mm): 21,39

Seed stoutness (mm): 8,65

Seed width (mm): 12,50

Length/width ratio: 1,71

Width/stoutness: 1,45



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 22

Species: common bean

Phaseolus vulgaris L.

Name: Prdo bijeli grah

Pfff.. white bean

Finding site: Suza (Baranja)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

kidney-rectangle

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: white

100-seed weight (g): 130,00

Seed length (mm): 21,42

Seed stoutness (mm): 5,84

Seed width (mm): 11,16

Length/width ratio: 1,93

Width/stoutness: 2,00



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 23

Species: common bean

Phaseolus vulgaris L.

Name: Prdo šareni grah

Pfff.. motley bean

Finding site: Suza (Baranja)

Seed testa color I: brown

Seed testa color II:

purple+black

Seed testa shine: intensive

Visible veins: no

Longitudinal seed shape:

kidney-rectangle

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 123,00

Seed length (mm): 21,32

Seed stoutness (mm): 8,50

Seed width (mm): 12,86

Length/width ratio: 1,66

Width/stoutness: 1,52



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 24

Species: common bean

Phaseolus vulgaris L.

Name: Trešnjevac grah

Cherry bean

Finding site: Suza (Baranja)

Seed testa color I: brown

Seed testa color II: purple

Seed testa shine: intensive

Visible veins: no

Longitudinal seed shape:

eliptic

Transversal shape:

round-eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 54,00

Seed length (mm): 14,72

Seed stoutness (mm): 7,18

Seed width (mm): 9,36

Length/width ratio: 1,57

Width/stoutness: 1,30



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 25

Species: common bean

Phaseolus vulgaris L.

Name: Bijeli duguljasti grah

White long bean

Finding site: Erdut (Slavonia)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

kidney

Transversal shape:

round

Hylum color: white

Ring around hylum: white

100-seed weight (g): 42,00

Seed length (mm): 15,96

Seed stoutness (mm): 5,72

Seed width (mm): 6,64

Length/width ratio: 2,41

Width/stoutness: 1,16



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 26

Species: common bean

Phaseolus vulgaris L.

Name: Bijeli kraći grah

White short bean

Finding site: Erdut (Slavonia)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

elliptic to rectangle

Transversal shape:

round

Hylum color: white

Ring around hylum: white

100-seed weight (g): 24,00

Seed length (mm): 10,63

Seed stoutness (mm): 5,46

Seed width (mm): 6,91

Length/width ratio: 1,54

Width/stoutness: 1,27



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 27

Species: common bean

Phaseolus vulgaris L.

Name: Biser grah

Pearl bean

Finding site: Suza (Baranja)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

round

Transversal shape:

round

Hylum color: white

Ring around hylum: white

100-seed weight (g): 18,00

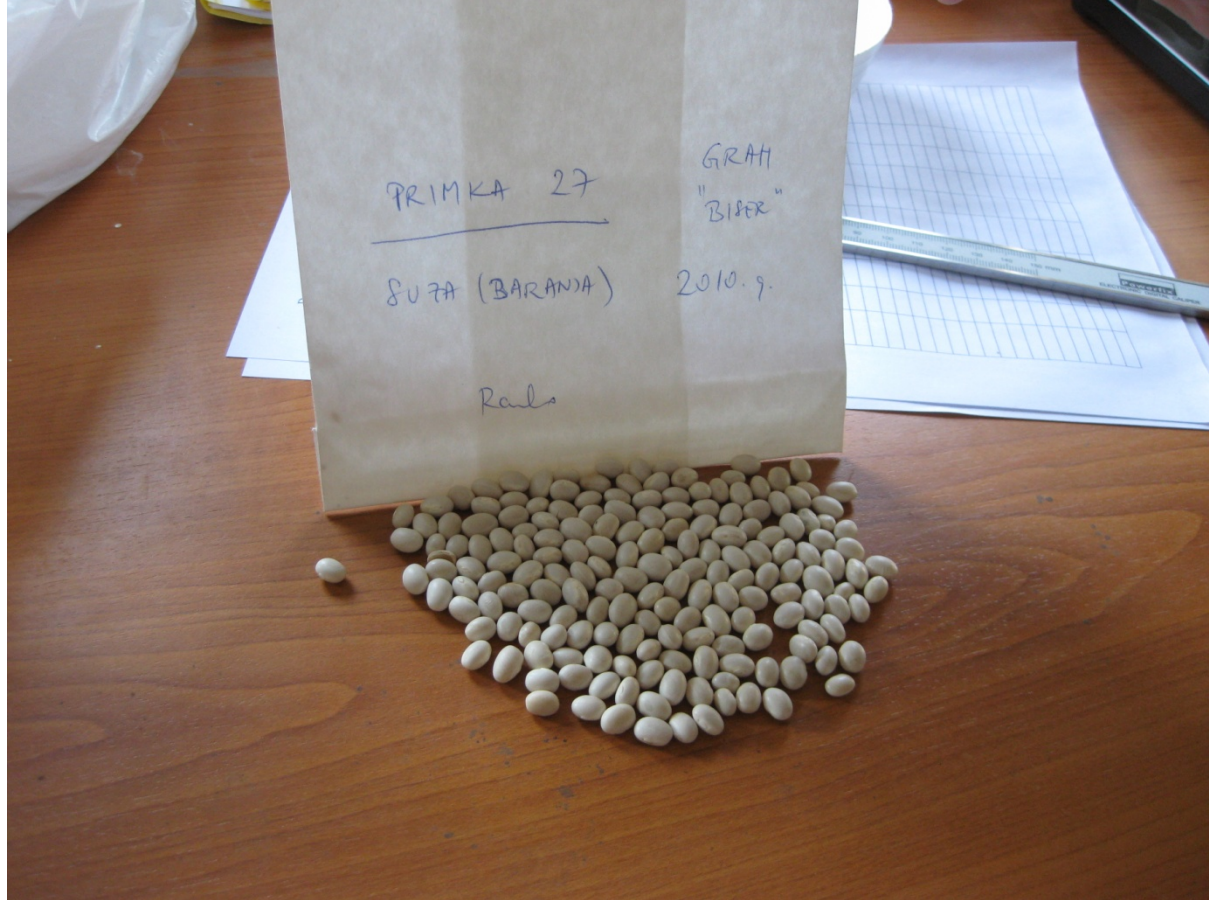
Seed length (mm): 8,48

Seed stoutness (mm): 5,67

Seed width (mm): 6,48

Length/width ratio: 1,31

Width/stoutness: 1,14



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 28

Species: common bean

Phaseolus vulgaris L.

Name: Sumporaš grah

Sulphur bean

Finding site: Požega (Slavonia)

Seed testa color I: brown

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

eliptic

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 46,00

Seed length (mm): 16,83

Seed stoutness (mm): 5,90

Seed width (mm): 7,59

Length/width ratio: 2,22

Width/stoutness: 1,29



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 29

Species: common bean

Phaseolus vulgaris L.

Name: Smeđi plosnati grah

Brown flat bean

Finding site: Požega (Slavonia)

Seed testa color I: brown

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

kidney-triangle

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 35,71

Seed length (mm): 14,94

Seed stoutness (mm): 4,74

Seed width (mm): 8,01

Length/width ratio: 1,87

Width/stoutness: 1,70



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 30

Species: common bean

Phaseolus vulgaris L.

Name: Trešnjevac grah

Cherry bean

Finding site: Osijek (Slavonia)

Seed testa color I: brown

Seed testa color II: dark-brown

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

eliptic

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g): 24,00

Seed length (mm): 11,71

Seed stoutness (mm): 5,33

Seed width (mm): 6,92

Length/width ratio: 1,70

Width/stoutness: 1,31



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 31

Species: common bean

Phaseolus vulgaris L.

Name: Bijeli grah

White bean

Finding site: Osijek (Slavonia)

Seed testa color I: white

Seed testa color II: absent

Seed testa shine: intensive

Visible veins: weak

Longitudinal seed shape:

eliptic

Transversal shape:

round

Hylum color: white

Ring around hylum: white

100-seed weight (g): 22,00

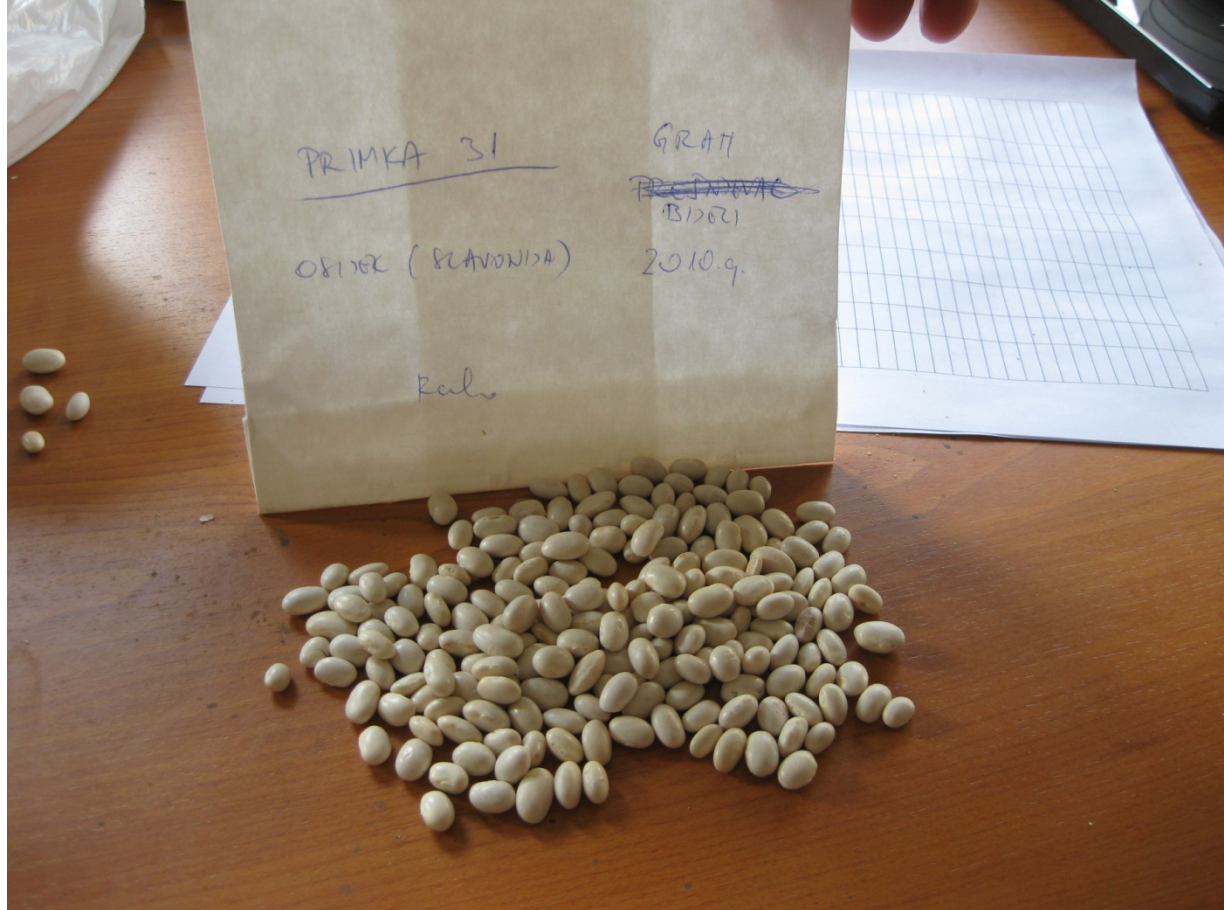
Seed length (mm): 9,89

Seed stoutness (mm): 5,50

Seed width (mm): 6,56

Length/width ratio: 1,51

Width/stoutness: 1,19



Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Accession nr.: 32

Species: chick-pea

Cicer arietinum L.

Name: Krupni slanetak

Big chick-pea

Finding site: Istra

Seed testa color I: baige

Seed testa wrinkle: weak

100-seed weight (g): 62,00

Seed length (mm): 12,22

Seed width (mm): 9,03



Accession nr.: 33

Species: chick-pea

Cicer arietinum L.

Name: Sitni slanutak

Small chick-pea

Finding site: Istra

Seed testa color I: yellow-brown

Seed testa wrinkle: intensive

100-seed weight (g): 32,00

Seed length (mm): 9,20

Seed width (mm): 7,59



Accession nr.: 34

Species: black medic

Medicago lupulina L.

Name: Hmeljasta lucerna

Black medic

Finding site: Osijek (Slavonia)

Seed testa color I: black



Accession nr.: 35

Species: black medic

Medicago lupulina L.

Name: Hmeljasta lucerna

Black medic

Finding site: Aljmaš

(Slavonia)

Seed testa color I: black



Accession nr.: 36

Species: common bean

Phaseolus vulgaris L.

Name: Kukuruzac visoki

Corn-by tall bean

Finding site: Tenja (Slavonia)

Seed testa color I: brown

Seed testa color II: absent

Seed testa shine: present

Visible veins: weak

Longitudinal seed shape:

Rectangular

Transversal shape:

eliptic

Hylum color: white

Ring around hylum: brown

100-seed weight (g):

Seed length (mm):

Seed stoutness (mm):

Seed width (mm):

Length/width ratio:

Width/stoutness:

Range of all accessions:

18,00 – 130,00

8,48 – 21,42

4,61 – 8,65

6,44 – 12,86

1,29 – 2,41

1,14 – 2,00

Further steps:

1. Sowing seeds of acquired accessions in a field nursery
2. Recording phenological and morphological traits of a whole plant
3. Harvesting seeds
4. Assessing quality of seeds (cooking time and flavour)
5. Assessing herbage production capability and other agronomy traits, like competence with weeds and crops
6. Publishing acquired data
7. Offering seeds to the Project common gene bank