

**THE PLANT VARIETY RIGHTS OFFICE
REPORT ON TECHNICAL EXAMINATION**

1. Reference number of reporting authority: **AFP 2/2551**
2. Requesting authority: **Estonian Authorities**
3. Reference number of requesting authority: **22/2012**
4. Breeder's reference: **AC06/504/25**
5. Date of application in requesting State: **06/03/2012**
6. Applicant (name and address): **Saaten Union GmbH, Eisenstrasse 12
D-30916 Isernhagen HB, Germany**
7. Agent (name and address) (if applicable):
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8. Botanical name of taxon: ***Hordeum vulgare L.***
9. Common name of taxon: **Spring Barley**
10. Variety denomination: **MONTOYA**
11. Breeder (name and address): **Ackermann Saatzzucht GmbH & Co KG**
12. Testing authority: **United Kingdom**
13. Testing station(s) and place(s): **NIAB, Cambridge, UK**
14. Period of testing: **2010, 2011**
15. Date and place of issue of document: **April 2012, FERA, Cambridge, UK**

16. **RESULTS OF THE TECHNICAL EXAMINATION AND CONCLUSION**

(a) **Report on Distinctness:**

The variety

- is clearly distinguishable from any other variety [X]
- is not clearly distinguishable from all varieties []

whose existence is known to us.

(b) **Report on Homogeneity:**

The variety

- is sufficiently homogeneous [X]
- is not sufficiently homogeneous []

having regard to the particular features of its sexual reproduction or vegetative propagation.

(c) **Report on Stability:**

The variety

- is stable [X]
- is not stable []

in its essential characteristics.

In the case of a positive conclusion, a description of the variety is given as an annex to this report.

17. Remarks:
18. Signature: M. Raman
19. Date: 16 April 2012

CPVO VARIETY DESCRIPTION

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| 1. | Reference number of reporting authority | AFP 2/2551 |
| 2. | Reference number of requesting authority (bilateral agreements only) | |
| 3. | Breeder's reference | AC 06/504/25 |
| 4. | Applicant name and address | Ackermann Saatzucht GmbH & Co KG
Marienhofstrasse 13, D-94342 Irlbach
Germany |
| 5. | Botanical name of taxon | <i>Hordeum vulgare</i> L. |
| 6. | Common name of taxon | Barley |
| 7. | Variety denomination | MONTOYA |
| 8. | Date and/or document number of CPVO Protocol | CPVO-TP/19/2 |
| 9. | Date and/or document number of National Test Protocol | 2008 |
| 10. | Testing authority | United Kingdom |
| 11. | Testing station(s) and place(s) | NIAB, Cambridge |
| 12. | Period of testing | 2010, 2011 |
| 13. | Date and place of issue of document | 1 February 2012, NIAB, Cambridge |
| 14. | GROUP: (Grouping characters are marked G in Section 15) | |

CPVO No.	Nat. No.	Characteristic	State of Expression	Note
2	2	LOWER LEAVES - HAIRINESS OF LEAF SHEATHS	absent	1
11	39	EAR - NUMBER OF ROWS	two	1
21	65	GRAIN - RACHILLA HAIR TYPE	short	1
25	76	GRAIN - VENTRAL FURROW - PRESENCE OF HAIRS	absent	1
28	90	SEASONAL TYPE	spring type	3

Reference number of reporting authority AFP 2/2551

15. CHARACTERISTICS included in the CPVO Protocol or National Test Protocol:

CPVO No.	Nat. No.	Characteristic	State of Expression	Note
1	1	PLANT - GROWTH HABIT	intermediate	5
2 G	2	LOWER LEAVES - HAIRINESS OF LEAF SHEATHS	absent	1
4	6	PLANT - FREQUENCY OF PLANTS WITH RECURVED LEAVES	low	3
6	8	TIME OF EAR EMERGENCE (1st spk. vis. on 50% ears)	early to medium	4
3	10	FLAG LEAF - INTENSITY OF ANTH. COLOUR. OF AURICLES	strong	7
8	14	EAR - GLAUCOSITY	medium to strong	6
5	15	FLAG LEAF - GLAUCOSITY OF SHEATH	strong	7
9	17	EAR - ATTITUDE (at least 21 days after ear emerg.)	semi-erect	3
7	19	AWNS-INTENSITY OF ANTHOCYANIN COLOUR. OF AWN TIPS	medium to strong	6
19	20	STERILE SPIKELET - ATTITUDE(MID 1/3 OF EAR)	divergent	3
18	22	EAR: DEVELOPMENT OF STERILE SPIKELETS	full	2
20	25	MEDIAN SPIKELET - LENGTH OF GLUME+AWN of GRAIN	longer	3
14	29	EAR - LENGTH(EXCLUDING AWNS)	short	3
15	30	AWN - LENGTH (compared to ear)	long (longer than ear)	7
10	33	PLANT - LENGTH(STEM,EARS AND AWNS)	short to medium	4
11 G	39	EAR - NUMBER OF ROWS	two	1
13	40	EAR - DENSITY	medium	5
12	41	EAR - SHAPE	tapering	3
16	44	RACHIS - LENGTH OF FIRST SEGMENT	medium	5
17	46	RACHIS - CURVATURE OF FIRST SEGMENT	weak to medium	4
27	62	KERNEL - COLOUR OF ALEURONE LAYER	whitish ("white")	1
21 G	65	GRAIN - RACHILLA HAIR TYPE	short	1
24	73	GRAIN - SPICULATION OF INNER LATERAL NERVES	absent/v. weak (0-2 per nerve)	1
23	75	GRAIN - ANTHOCYANIN COLOURATION OF LEMMA NERVES	medium	5
25 G	76	GRAIN - VENTRAL FURROW - PRESENCE OF HAIRS	absent	1
22	86	GRAIN - HUSK	present	9
26	88	GRAIN - DISPOSITION OF LODICULES	clasping ("collar" type)	2
28 G	90	SEASONAL TYPE	spring type	3

16. Similar varieties and differences in relation to those varieties

Denomination of similar variety	Characteristics in which the similar variety is different	State of expression of similar variety	State of expression of candidate variety
2/2554 MAGELLAN	CPVO 7/UK 19 AWNS-INTENSITY OF ANTHOCYANIN COLOUR. OF AWN TIPS	7	6

17. Additional information:

Additional data:

a) Nil

Remarks

b) The findings from the direct comparison trial showed that AFP 2/2551 was distinct from AFP 2/2554 on ear emergence