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晚熟玫瑰香味葡萄新品种瑞都晚蜜的选育

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摘 要:瑞都晚蜜是晚熟、具玫瑰香味的葡萄新品种,由圣诞玫瑰×亚历山大杂交选育而成。果穗紧密度中等、圆锥形,平均单穗质量可达520.85 g,单粒质量可达7.5 g;果粒椭圆形,黄绿色,果肉较脆,具有玫瑰香味,味甜清香,可溶性固形物含量(*w*,后同)18.5%,可滴定酸含量0.45%;早果丰产,盛果期产量30 t·hm^{-2}以上。在北京地区,9月下旬果实成熟。

关键词:葡萄;新品种;瑞都晚蜜;晚熟;玫瑰香味

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Breeding report of a new late-maturing muscat flavor grape cultivar Ruiduwanmi

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Abstract: Ruiduwanmi is a late-ripening table grape variety (*Vitis vinifera*) characterized by its yellow-green color, excellent quality, and Muscat flavor. In 2010, at the Institute of Forestry and Pomology, Beijing Academy of Agriculture and Forestry Sciences, it was bred by crossing Christmas Rose as the mother and Alexander as the father. Regional trials were conducted in Haidian, Pinggu and Daxing under the code name 29-14-4. After years of observation, 29-14-4 matures late with sweet Muscat flavor, has significant market potential, it was authorized with the new plant variety right (CNA20211009717) by the Ministry of Agriculture and Rural Affairs in 2025 and was later named Ruiduwanmi. The tree is moderate vigor, the shoots are semi-erect, the tips are open and the fluff is sparse. The underside of the internode is green, with intermittent tendrils that are long in length. Adult leaves pentagonal, green, main vein anthocyanin coloring on the surface of adult leaves, cross-sectional rolling, seven-lobed, deeply carved upper lobe, closed, unrestricted petiole depression, petiole depression without serration. The Ruiduwanmi cluster has a conical shape with either single or double shoulders, averaging 520.85 g in weight, 27.50 cm in length, and 16.2 cm in width. The cluster density is medium to loose. The berries are yellow green color. The length of peduncle is approximately 5.5 cm. The berry is elliptic shaped, 28.0 mm in length and 21.0 mm in diameter, the average weight is 7.5 g with the maximum of 9 g. Flesh is juicy and crisp, with sweet muscat flavor, each berry contains between 2 to 3 seeds, with soluble solids at 18.5% and titratable acidity at 0.45%. Emerging in late April, blooming in late May, and

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fruit maturing by late September. The shoots start to ripen in late August. The germination rate is 78.5%, the fruiting branch rate is 75.2%, the fruiting coefficient is 1.60 and the average yield per 666.7 m^2 is approximately 1250 kg. There has been no severe frost damage or abnormal germination over the years, and it is resistant to black pox, highly susceptible to downy mildew, and powdery mildew. Cultivating in sheltered conditions during rain in Beijing can decrease fungal diseases, lower and enhance nutrient reserves. During production, it is important to focus on yield management by pesticide usage, leaving 1−2 flower spikes on each branch. It is advisable to plant other grape varieties at intervals along the periphery. Flower spike shaping should be performed before blooming, and the cluster size should be maintained at approximately 500 g. Cultivation without rain protection should prioritize the prevention and control of downy mildew and anthracnose, while rain-protected cultivation must address the threats of leaf hoppers, thrips, scale insects and powdery mildew.

Key words: Grape; New cultivar; Ruiduwanmi; Late ripening; Muscat flavor

多年来，本单位葡萄研究室持续开展香味葡萄的育种工作，现已选育出香妃、瑞都香玉、瑞都科美系列早熟、中熟香味葡萄新品种，以及瑞都红玫、瑞都晚红[1-5]等红色、香味葡萄新品种。为了满足消费者和种植者的多样化需求，笔者又开展了晚熟香味新品种的选育工作。通过杂交授粉、初步筛选和复选，最终选定了29-14-4优良品系，随后进行了品种对比试验和生产中试。2025年11月20日，通过中华人民共和国农业农村部植物新品种权授权，品种权号CNA20211009717，定名为瑞都晚蜜（图1）。

1 选育过程

2010年，对红色、晚熟品种圣诞玫瑰葡萄去雄后，授以香味品种亚历山大的花粉，当年秋季收获3000余粒种子，翌年将其萌发的幼苗种植在露地。2015年，植株开始结果，笔者从中发现一单株具有成熟晚、果粒大、肉质较脆、具玫瑰香味等优良特性；经过连续多年的观察发现，这些性状表现稳定，2017年将其确定为优系，代号为29-14-4。以母本圣诞玫瑰作为对照，在海淀区和平谷区的葡萄试验地进行高接对比试验和区域试验。连续3年的综合表现评估和果实特性观察及评价表明，该品种在果实香味方面明显优于对照品种。杂交系谱见图2。

2 主要性状

2.1 植物学特征

瑞都晚蜜新梢呈半直立状，新梢卷须长、间断生长。成熟枝条黄褐色且表面光滑，横截面椭圆形。幼叶浅红棕色，下表面叶脉之间着生稀疏匍匐茸毛，

图1 晚熟玫瑰香味葡萄新品种瑞都晚蜜

Fig. 1 A new late-maturing muscat flavor grape cultivar Ruiduwanmi

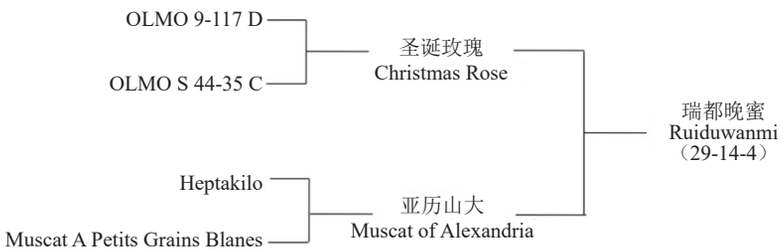

图 2　瑞都晚蜜杂交系谱图

Fig. 2　Cross family tree of Ruiduwanmi

主脉上直立茸毛稀少或完全没有；成龄叶绿色、五角形，横截面呈外卷状态，分裂为七瓣，上部分裂刻较深。瑞都晚蜜是二倍体、雌能花；植株生长势中等，隐芽萌发力中等。

2.2　果实经济性状

果穗圆锥形，平均单穗质量520.85 g；果粒椭圆形、着生紧密度中等，具有2~3粒种子，平均单粒质量7.5 g。果皮为黄绿色，厚度中等而较脆，无涩味；果肉质地、硬度中等，具愉悦香甜的玫瑰香味，可溶性固形物含量（*w*，后同）18.5%，可滴定酸含量0.45%。瑞都晚蜜的果肉硬度、果穗大小、果粒大小、丰产性与母本相近，果肉香味与父本接近，综合了父母本的优良性状，是一个较理想的晚熟葡萄新品种（表1）。

表 1　瑞都晚蜜与对照品种的果实性状比较

Table 1　Comparison of Main characteristics between Ruiduwanmi and control cultivar

品种 Cultivar	果穗形状 Cluster shape	果穗长宽 Cluster size/cm	平均单穗质量 Average cluster mass/g	果穗紧密度 Cluster compactness	平均单粒质量 Average berry mass/g	果粒纵横径 Berry size/mm	果粒形状 Berry shape	果皮颜色 Skin color	果肉质地 Flesh texture	果肉香味 Fragrance type	*w*（可溶性固形物） Soluble solids content/%	*w*（可滴定酸） Titratable acid content/%
瑞都晚蜜 Ruiduwanmi	圆锥形 Conical	27.50×16.20	520.85	中等 Moderate	7.5	28.0×21.0	椭圆形 Elliptic	黄绿色 Yellow-green	较脆 Slight crisp	玫瑰香味 Muscat	18.5	0.45
圣诞玫瑰 Christmas Rose	圆锥形 Conical	30.00×24.20	882.00	紧 Dense	7.3	28.0×22.0	椭圆形 Elliptic	红色 Red	脆 Crisp	无 No	17.0	0.50

2.3　生长结果习性

瑞都晚蜜生长势适中，节间长度适中，丰产性较好；萌芽率、结果系数等均与对照品种相似（表2）。

2.4　物候期

在北京地区，该品种一般于4月下旬萌芽，5月下旬开花，9月下旬果实成熟。新梢于8月下旬开始成熟，果实从开花到成熟的生长发育期约为120 d，属于晚熟品种。

表 2　瑞都晚蜜与对照品种的生长结果习性

Table 2　Comparison of fruiting characteristics between Ruiduwanmi and control cultivar

品种 Cultivar	萌芽率 Germination rate/%	结果枝率 Rate of fruiting shoot/%	结果系数 Cluster perfruiting	每666.7 m²产量 Yield per 666.7 m²/kg	花序位置 Position of inflorescence
瑞都晚蜜 Ruiduwanmi	78.50	75.20	1.6	1250	2-7
圣诞玫瑰 Christmas Rose	75.00	77.00	1.4	2000	2-7

2.5　抗逆性

在北京地区，瑞都晚蜜的树体经常规埋土防寒即可安全越冬。高感霜霉病，感白粉病和炭疽病，对黑痘病表现为中抗。

3　栽培技术要点

采用篱架栽培时，应合理计划种植密度，株行距通常为1 m×2.5 m；冬季修剪以短梢修剪为主。花前

轻摘心，同时去除卷须和副梢。在设施条件下，采用直立主干水平主蔓栽培时，将新梢与主蔓间的角度控制约90°；在生产上应注意控制产量，每个枝条留1~2个花穗，开花前进行花穗整形，疏除穗尖和基部，控制果穗质量约500 g。建议在该品种的周边间隔种植其他葡萄品种。在无避雨栽培条件下，以防治葡萄霜霉病和炭疽病为主；在避雨栽培条件下，以防治虫害和白粉病为主。

4 综合评价

该品种晚熟、大粒、具玫瑰香味，性状优良。在周围种植其他葡萄品种的情况下，栽培特性良好，丰产性强，适宜多种栽培条件和地区。

参考文献 References:

[1] 徐海英，张国军，闫爱玲，刘军 . 优质早熟葡萄新品种‘香妃’[J]. 园艺学报，2001，28(4)：375.
Xu Haiying，Zhang Guojun，Yan Ailing，Liu Jun. ‘Xiangfei’：A new early ripening grape variety[J]. Acta Horticulturae Sinica，2001，28(4)：375.

[2] 孙磊，闫爱玲，张国军，王慧玲，王晓玥，李峰，任建成，徐海英 . 玫瑰香味葡萄新品种‘瑞都科美’的选育[J]. 果树学报，2017，34(12)：1624-1627.
Sun Lei，Yan Ailing，Zhang Guojun，Wang Huiling，Wang Xiaoyue，Li Feng，Ren Jiancheng，Xu Haiying. A new muscat flavor table grape variety ‘Ruidukemei’[J]. Journal of Fruit Science，2017，34(12)：1624-1627.

[3] 张国军，闫爱玲，孙磊，王慧玲，王晓玥，任建成，徐海英 . 红色玫瑰香味葡萄新品种‘瑞都红玫’的选育[J]. 果树学报，2015，32(5)：991-993.
Zhang Guojun，Yan Ailing，Sun Lei，Wang Huiling，Wang Xiaoyue，Ren Jiancheng，Xu Haiying. A new red muscat flavor table grape cultivar ‘Ruidu Hongmei’[J]. Journal of Fruit Science，2015，32(5)：991-993.

[4] 徐海英，张国军，闫爱玲 . 早熟葡萄新品种‘瑞都香玉’[J]. 园艺学报，2009，36(6)：929.
Xu Haiying，Zhang Guojun，Yan Ailing. A new early mutuality grape cultivar ‘Ruidu Xiangyu’[J]. Acta Horticulturae Sinica，2009，36(6)：929.

[5] 王晓玥，闫爱玲，张国军，王慧玲，任建成，刘振华，孙磊，徐海英 . 葡萄新品种‘瑞都晚红’[J]. 园艺学报，2022，49(增刊 1)：29-30.
Wang Xiaoyue，Yan Ailing，Zhang Guojun，Wang Huiling，Ren Jiancheng，Liu Zhenhua，Sun Lei，Xu Haiying. A new grape cultivar ‘Ruidu wanhong’[J]. Acta Horticulturae Sinica，2022，49(S1)：29-30.