

### 3. れんげ特性分類審査基準

\*重要な形質

| No.         | 形 質    | 定 義                            | 計 測 方 法                                                                                        | 状態又は区分                    | 階級                    | 標 準 品 種                                |
|-------------|--------|--------------------------------|------------------------------------------------------------------------------------------------|---------------------------|-----------------------|----------------------------------------|
| I 形 態 的 特 性 |        |                                |                                                                                                |                           |                       |                                        |
| 1<br>*      | 草型     | 株の外側の主要な茎が地表と作る角度の大きさによる草姿     | 観察による評点、開花初期に調査<br>図-1参照                                                                       | 直立<br>中間<br>ほふく           | 3<br>5<br>7           | 市販種(雪印)<br>⊖ マルイチ(保)                   |
| 2           | 開花期草丈  | 開花盛期後の地上部の長さ                   | 測定: 地上部の最高位を伸ばして測定(cm)                                                                         | 極低<br>低<br>中<br>高<br>極高   | 1<br>3<br>5<br>7<br>9 | 北陸1号(保) 福地種(保)<br>⓪ マルゲン(保)<br>市販種(雪印) |
| 3<br>*      | 茎の形状   | 開花始期の茎の横断面の形                   | 観察: 丸、楕円、偏平                                                                                    | 丸<br>楕円<br>偏平             | 3<br>4<br>5           | 市販種(雪印) ほか多数                           |
| 4<br>*      | 茎の太さ   | 開花盛期後の茎の太さ                     | 測定: 着花茎の最大部位を測定(0.1mm)                                                                         | 極細<br>細<br>中<br>太<br>極太   | 1<br>3<br>5<br>7<br>9 | 福地種(保)<br>市販種(雪印)<br>⓪ マルゲン(保) 北陸1号(保) |
| 5           | 茎数     | 開花盛期後の着花茎の数                    | 観察による評点(二次分枝まで)                                                                                | 極少<br>少<br>中<br>多<br>極多   | 1<br>3<br>5<br>7<br>9 | 福地種(保)<br>北陸1号(保)<br>⓪ マルゲン(保)         |
| 6<br>*      | 茎の色    | 開花期の日光の当たる環境条件下の茎のアントシアンの着色の程度 | 観察による評点                                                                                        | 無(緑)<br>褐色<br>赤褐色<br>濃赤褐色 | 1<br>3<br>5<br>7      | 市販種(雪印) 福地種(保)                         |
| 7<br>*      | 葉長     | 開花盛期後の最大葉の長さ                   | 測定: 葉柄〜先端小葉までの長さ(cm)<br>図-2参照                                                                  | 極小<br>小<br>中<br>大<br>極大   | 1<br>3<br>5<br>7<br>9 | 市販種(雪印)<br>⓪ マルゲン(保)<br>北陸1号(保)        |
| 8<br>*      | 小葉数    | 開花盛期後の最大葉の小葉の数                 | 計測: (枚/1葉)<br>1個体2葉を調査<br>少 中 多<br>9枚以下 10枚〜11枚 12枚以上                                          | 少<br>中<br>多               | 3<br>5<br>7           | 市販種(雪印) ほか多数                           |
| 9<br>*      | 小葉の大きさ | 開花盛期後の最大葉の先端小葉の大きさ             | 測定: 開花茎の最大葉の先端小葉を計測(縦、横 mm)<br>(縦×横) 図-3参照<br>1 3 5 7 9<br>50 80 120 170 220(mm <sup>2</sup> ) | 極小<br>小<br>中<br>大<br>極大   | 1<br>3<br>5<br>7<br>9 | 福地種(保)<br>市販種(雪印)<br>伊予大晩生(保)          |

| No      | 形 質     | 定 義                    | 計 測 方 法                                                                         | 状態又は区分                       | 階級                    | 標 準 品 種                  |
|---------|---------|------------------------|---------------------------------------------------------------------------------|------------------------------|-----------------------|--------------------------|
| 10<br>* | 葉色      | 開花始期の葉色の濃淡             | 観察：株全体の観察による葉の緑度                                                                | 淡<br>中<br>濃                  | 3<br>4<br>5           | 市販種（雪印）ほか多数              |
| 11<br>* | 花房の大きさ  | 開花盛期の花房の大きさ            | 観察：株全体の花序の観察による評点                                                               | 小<br>中<br>大                  | 3<br>4<br>5           | 市販種（雪印）ほか多数              |
| 12      | 花梗長     | 最長茎に着生する花梗の長さ          | 計測：最も長いもの（mm）                                                                   | 短<br>中<br>長                  | 3<br>5<br>7           | 市販種（雪印）                  |
| 13<br>* | 花房当り小花数 | 1花房を構成する小花の数           | 計測：花梗長を測定した花房を計測（個）                                                             | 少<br>中<br>多                  | 3<br>5<br>7           | 市販種（雪印）                  |
| 14<br>* | 花色      | 開花直後の花卉の着色部位の色         | 観察：花房全体の色で判定<br>白1 黄白2 淡紅紫3 紅紫5<br>濃紅紫7 その他9<br>又は日本園芸植物標準色で表示する                | 白<br>淡紅紫<br>紅紫<br>濃紅紫<br>その他 | 1<br>3<br>5<br>7<br>9 | 市販種（雪印）ほか多数              |
| 15<br>* | 莢の長さ    | 登熟後の最長花梗を有する莢の長さ       | 計測：1花梗の全莢の平均値（mm）                                                               | 短<br>中<br>長                  | 3<br>5<br>7           | 市販種（雪印）ほか多数              |
| 16<br>* | 種子の形    | 成熟（登熟）した莢から取出した種子の形    | 観察：円 卵 菱 に判別<br>(1) (2) (3)<br>図-4 参照                                           | 円<br>卵<br>菱                  | 1<br>2<br>3           | 市販種（雪印）ほか多数              |
| 17<br>* | 種子の色    | 成熟（登熟）した莢から取出した直後の種皮の色 | 観察：100粒程度をまとめた全体の感じ                                                             | 黄褐<br>褐<br>緑褐<br>赤褐<br>混     | 1<br>3<br>5<br>7<br>9 | 市販種（雪印）                  |
| 18<br>* | 粒重      | 正常に登熟した種子1000粒の重さ      | 計測：風乾した種子100粒を2回計測(mg)して1000粒に換算<br>-0.01g<br>軽 ～ 中 ～ 重<br>～2.5g 2.5～3.5g 3.5g～ | 軽<br>中<br>重                  | 3<br>5<br>7           | ⊖ マルイチ（保）<br>市販種（雪印）ほか多数 |

| No.         | 形 質       | 定 義                       | 計 測 方 法                            | 状態又は区分                    | 階級                    | 標 準 品 種                                          |
|-------------|-----------|---------------------------|------------------------------------|---------------------------|-----------------------|--------------------------------------------------|
| Ⅱ 生 態 的 特 性 |           |                           |                                    |                           |                       |                                                  |
| 19<br>*     | 草勢        | 春の生育伸長期における伸長の度合          | 観察：越冬後生育開始1ヶ月後                     | 極不良<br>不良<br>中<br>良<br>極良 | 1<br>3<br>5<br>7<br>9 | 伊予大晩生（保）<br>⑧ マルゲン（保）福地種（保）ほか<br>市販種（雪印）         |
| 20<br>*     | 開花始       | 始めて開花を認めた日                | 観察：月 日                             | 極早<br>早<br>中<br>晩<br>極晩   | 1<br>3<br>5<br>7<br>9 | 市販種（雪印）<br>① マルゲン（保）北陸1号（保）<br>⑧ マルゲン（保）④ マルヨ（保） |
| 21<br>*     | 開花期       | 全莖数の40～50%が開花した日          | 観察：月 日                             | 極早<br>早<br>中<br>晩<br>極晩   | 1<br>3<br>5<br>7<br>9 | 市販種（雪印）<br>① マルゲン（保）北陸1号（保）<br>⑧ マルゲン（保）④ マルヨ（保） |
| 22          | 開花数       | 開花期における個体当りの開花した花房の数      | 観察：株当りの開花した花房の数（個）                 | 極少<br>少<br>中<br>多<br>極多   | 1<br>3<br>5<br>7<br>9 | ④ マルヨ（保）<br>市販種（雪印）<br>富農選24号（保）                 |
| 23<br>*     | まき性       | 春播きした場合の開花の程度             | 観察：春に播種した場合の開花程度調査<br>（播種方法は別途定める） | 無<br><br><br>四季咲          | 1<br>3<br>5<br>7<br>9 | 市販種（雪印）ほか多数                                      |
| 24<br>*     | 越冬性       | 越冬後の生存率<br>関東以北又は標高の高い所のみ | 測定：供試個体中の虫害を除く生存株率（%）              | 極弱<br>弱<br>中<br>強<br>極強   | 1<br>3<br>5<br>7<br>9 |                                                  |
| 25<br>*     | 菌核病抵抗性    | 罹病率や被害度より判定した病気に対する抵抗性    | 観察：発生時の被害度による総合評価                  | 極弱<br>弱<br>中<br>強<br>極強   | 1<br>3<br>5<br>7<br>9 |                                                  |
| 26<br>*     | うどんこ病     | 罹病率や被害度より判定した病気に対する抵抗性    | 観察：発生時の被害度による総合評価                  | 極弱<br>弱<br>中<br>強<br>極強   | 1<br>3<br>5<br>7<br>9 |                                                  |
| 27<br>*     | その他の病害抵抗性 | 罹病率や被害度より判定した病気に対する抵抗性    | 観察：発生時の被害度による総合評価（病害名を記載する）        | 極弱<br>弱<br>中<br>強<br>極強   | 1<br>3<br>5<br>7<br>9 |                                                  |

| No            | 形 質   | 定 義                     | 計 測 方 法                                                                  | 状態又は区分                  | 階級                    | 標 準 品 種                       |
|---------------|-------|-------------------------|--------------------------------------------------------------------------|-------------------------|-----------------------|-------------------------------|
| 28            | 虫害抵抗性 | 寄生率や被害度により判定した害虫に対する抵抗性 | 観察：発生時の被害度による総合評価（害虫名を記載する）                                              | 極弱<br>弱<br>中<br>強<br>極強 | 1<br>3<br>5<br>7<br>9 |                               |
| Ⅲ そ の 他 の 特 性 |       |                         |                                                                          |                         |                       |                               |
| 29            | 生草収量  | 開花盛期に刈取った場合の単位面積当たりの収量  | 測定：2㎡以上刈取り秤量（kg/a）                                                       | 極少<br>少<br>中<br>多<br>極多 | 1<br>3<br>5<br>7<br>9 | 福地種（保）<br>市販種（雪印）<br>伊予大晩生（保） |
| 30<br>*       | 乾物率   | 開花盛期の刈取ったものの乾物率         | 測定：生草収量を計測したものから500gを70℃で乾燥後秤量して算出（%）<br>低 ～ 中 ～ 高<br>12%以下 18%以上        | 低<br>中<br>高             | 3<br>5<br>7           |                               |
| 31            | 蜜量    | 1小花当たりの蜜量               | 測定：マイクロピペットで20花房100小花、0.00ml又は0.00mg<br><br>3 ～ 4 ～ 5<br>0.3mg以下 0.7mg以上 | 少<br>中<br>多             | 3<br>5<br>7           | ⑧ マルゲン（保）ほか多数<br>市販種（雪印）      |
| 32            | 香り    | 開花期における香り               | 観察：開花当日の花房を臭ぐ                                                            | 弱<br><br>中<br><br>強     | 3<br><br>5<br><br>7   |                               |

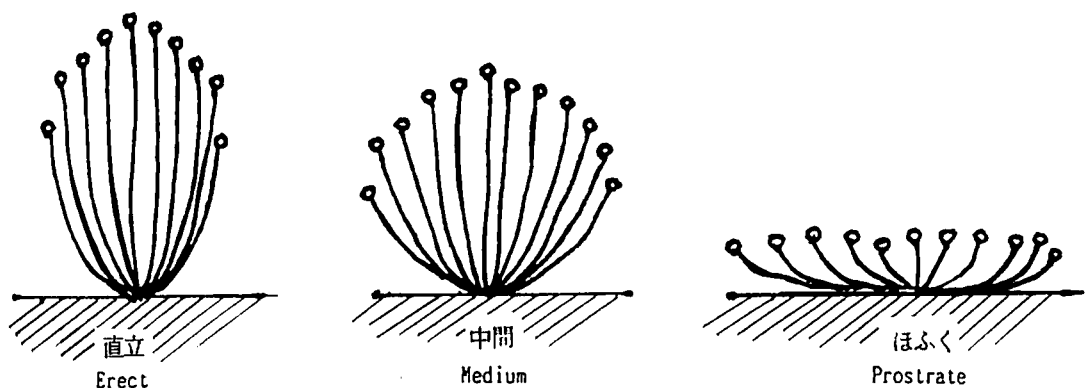


図 - 1 草型 Fig. 1. Plant type

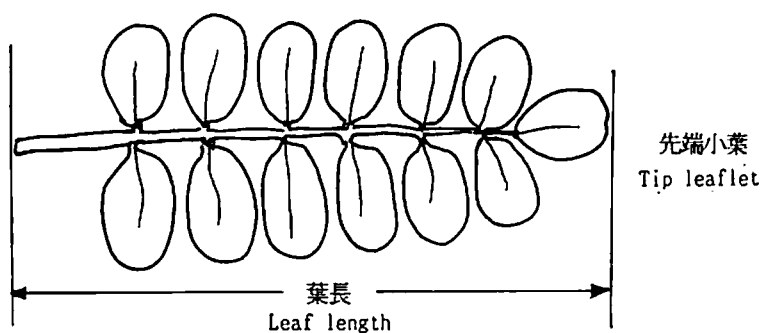


図 - 2 葉長 Fig. 2. Leaf length

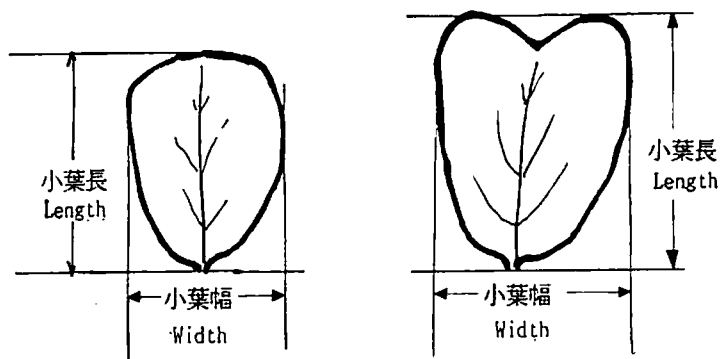


図 - 3 小葉の大きさ Fig. 3. Size of leaflet



図 - 4 種子の形 Fig. 4. Shape of seed

# STANDARD DESCRIPTION OF CHARACTERISTICS FOR IDENTIFICATION OF NEW VARIETIES IN CHINESE MILK VETCH (*Astragalus sinicus* L.)

Characteristics Table

Section of Plants: Forage Crop

Kind of Plant: Chinese Milk Vetch (*Astragalus sinicus* L.)

\* Important characteristics

| 1. Morphological characteristics |                                                                             |                                                                                                                       |                                  |      |                                                                   |
|----------------------------------|-----------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------|------|-------------------------------------------------------------------|
| Character                        | Definition                                                                  | Method                                                                                                                | Item                             | Code | Standard variety                                                  |
| * 1. Plant type                  | Angle of outside main stem of hill on the surface of the earth (see Fig. 1) | Observation (at early flowering time)                                                                                 | erect                            | 3    | Yukijirushi stock, Gifu Renge Maruichi                            |
|                                  |                                                                             |                                                                                                                       | medium                           | 5    |                                                                   |
|                                  |                                                                             |                                                                                                                       | prostrate                        | 7    |                                                                   |
| 2. Plant height                  | Shoot length at mid-flowering time                                          | Measurement (the longest shoot, cm)                                                                                   | very short                       | 1    | Hokuriku 1, Fukuchishu<br>Gifu Renge Marugen<br>Yukijirushi stock |
|                                  |                                                                             |                                                                                                                       | short                            | 3    |                                                                   |
|                                  |                                                                             |                                                                                                                       | medium                           | 5    |                                                                   |
|                                  |                                                                             |                                                                                                                       | long                             | 7    |                                                                   |
|                                  |                                                                             |                                                                                                                       | very long                        | 9    |                                                                   |
| * 3. Stem shape                  | Shape of cross section of stem at early flowering time                      | Observation                                                                                                           | circle                           | 3    | Yukijirushi stock, and the others                                 |
|                                  |                                                                             |                                                                                                                       | ellipse                          | 4    |                                                                   |
|                                  |                                                                             |                                                                                                                       | flat                             | 5    |                                                                   |
| * 4. Thickness of stem           | Thickness of stem at mid-flowering time                                     | Measurement (the thickest part of stem having flower, 0.1 mm)                                                         | very thin                        | 1    | Fukuchishu<br>Yukijirushi stock<br>Gifu Renge Maruyon, Hokuriku 1 |
|                                  |                                                                             |                                                                                                                       | thin                             | 3    |                                                                   |
|                                  |                                                                             |                                                                                                                       | medium                           | 5    |                                                                   |
|                                  |                                                                             |                                                                                                                       | thick                            | 7    |                                                                   |
|                                  |                                                                             |                                                                                                                       | very thick                       | 9    |                                                                   |
| 5. Number of stem                | Number of stem having flower at mid-flowering time                          | Observation (includes the secondary branch)                                                                           | very few                         | 1    | Fukuchishu<br>Hokuriku 1<br>Gifu Renge Marugen                    |
|                                  |                                                                             |                                                                                                                       | few                              | 3    |                                                                   |
|                                  |                                                                             |                                                                                                                       | medium                           | 5    |                                                                   |
|                                  |                                                                             |                                                                                                                       | many                             | 7    |                                                                   |
|                                  |                                                                             |                                                                                                                       | very many                        | 9    |                                                                   |
| * 6. Color of stem               | Degree of stem coloring by anthocyan under sunshine at flowering time       | Observation                                                                                                           | green (non-anthocyan)            | 1    | Fukuchishu, Yukijirushi stock                                     |
|                                  |                                                                             |                                                                                                                       | brown                            | 3    |                                                                   |
|                                  |                                                                             |                                                                                                                       | reddish brown                    | 5    |                                                                   |
|                                  |                                                                             |                                                                                                                       | deep reddish brown               | 7    |                                                                   |
| * 7. Leaf length                 | Length of the largest leaf at mid-flowering time (see Fig. 2)               | Measurement (length from petiole to the tip leaflet, cm)                                                              | very small                       | 1    | Yukijirushi stock<br>Gifu Renge Marugen<br>Hokuriku 1             |
|                                  |                                                                             |                                                                                                                       | small                            | 3    |                                                                   |
|                                  |                                                                             |                                                                                                                       | medium                           | 5    |                                                                   |
|                                  |                                                                             |                                                                                                                       | large                            | 7    |                                                                   |
|                                  |                                                                             |                                                                                                                       | very large                       | 9    |                                                                   |
| * 8. Number of leaflet           | Number of leaflet on the largest leaf at mid-flowering time                 | Count (2 leaves per plant, number/plant)                                                                              | few ( < 9 )                      | 3    | Yukijirushi stock, and the others                                 |
|                                  |                                                                             |                                                                                                                       | medium (10 ~ 11 )                | 5    |                                                                   |
|                                  |                                                                             |                                                                                                                       | many (12 < )                     | 7    |                                                                   |
| * 9. Size of leaflet             | Size of tip leaflet on the largest leaf at mid-flowering time (see Fig. 3)  | Measurement (length and width of tip leaflet on the largest leaf having flower, mm, length X width, mm <sup>2</sup> ) | very small (50mm <sup>2</sup> )  | 1    | Fukuchishu<br>Yukijirushi stock<br>Iyo Daibansei                  |
|                                  |                                                                             |                                                                                                                       | small (80mm <sup>2</sup> )       | 3    |                                                                   |
|                                  |                                                                             |                                                                                                                       | medium (120mm <sup>2</sup> )     | 5    |                                                                   |
|                                  |                                                                             |                                                                                                                       | large (170mm <sup>2</sup> )      | 7    |                                                                   |
|                                  |                                                                             |                                                                                                                       | very large (220mm <sup>2</sup> ) | 9    |                                                                   |
| * 10. Leaf color                 | Degree of color of leaf at early flowering time                             | Observation (Degree of leaf greenness of whole plant)                                                                 | light                            | 3    | Yukijirushi stock, and the others                                 |
|                                  |                                                                             |                                                                                                                       | medium                           | 4    |                                                                   |
|                                  |                                                                             |                                                                                                                       | deep                             | 5    |                                                                   |
| * 11. Size of flower cluster     | Size of flower cluster at mid-flowering time                                | Observation (of all flower cluster)                                                                                   | small                            | 3    | Yukijirushi stock, and the others                                 |
|                                  |                                                                             |                                                                                                                       | medium                           | 4    |                                                                   |
|                                  |                                                                             |                                                                                                                       | large                            | 5    |                                                                   |

| Character                          | Definition                                             | Method                                                                                              | Item                                                                                                                       | Code                       | Standard variety                                                                              |
|------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------------------|
| 12. Length of flower stalk         | Length of flower stalk in the longest stem             | Measurement (the longest flower stalk, mm)                                                          | short<br>medium<br>long                                                                                                    | 3<br>5<br>7                | Yukijirushi stock                                                                             |
| * 13. Number of floret per cluster | Number of floret consist in one cluster                | Count (number in cluster measured the length of flower stalk)                                       | few<br>medium<br>many                                                                                                      | 3<br>5<br>7                | Yukijirushi stock                                                                             |
| * 14. Color of flower              | Color of flower petal at immediately after flowering   | observation (indicate reference number of JHS color chart)                                          | white (-01)<br>yellowish white (1901)<br>bright red purple (9206)<br>red purple (9207)<br>deep red purple (9209)<br>others | 1<br>2<br>3<br>5<br>7<br>9 | Yukijirushi stock, and the others                                                             |
| * 15. Length of pod                | Length of matured pod in the longest flower stalk      | Measurement (length of all pod in a cluster, mm)                                                    | short<br>medium<br>long                                                                                                    | 3<br>5<br>7                | Yukijirushi stock, and the others                                                             |
| * 16. Shape of seed                | Shape of matured seed                                  | Observation (see Fig. 4)                                                                            | circle<br>egg<br>diamond                                                                                                   | 1<br>2<br>3                | Yukijirushi stock, and the others                                                             |
| * 17. Color of seed                | Color of matured new seed                              | Observation                                                                                         | yellowish brown<br>brown<br>olive<br>reddish brown<br>mixed                                                                | 1<br>3<br>5<br>7<br>9      | Yukijirushi stock                                                                             |
| * 18. Weight of seed               | Weight of 1000 seeds matured normally                  | Measurement (weight of 1000 air dried seeds converted from 100 seeds weight of 2 repetition, 0.01g) | light ( < 2.5g )<br>medium ( 2.6 ~ 3.4g )<br>heavy ( 3.5g > )                                                              | 3<br>5<br>7                | Gifu Renge Maruichi<br>Yukijirushi stock, and the others                                      |
| II. Ecological characteristics     |                                                        |                                                                                                     |                                                                                                                            |                            |                                                                                               |
| Character                          | Definition                                             | Method                                                                                              | Item                                                                                                                       | Code                       | Standard variety                                                                              |
| * 19. Plant vigor at early spring  | Plant vigor at the beginning of growth in early spring | Observation (in 1 month after the beginning of growth in early spring)                              | very poor<br>poor<br>medium<br>well<br>very well                                                                           | 1<br>3<br>5<br>7<br>9      | Iyo Daibansei<br>Gifu Renge Marugen, Fukuchishu<br>Yukijirushi stock                          |
| * 20. First flowering day          | Day of first flowering                                 | Observation (days and months)                                                                       | very early<br>early<br>medium<br>late<br><br>very late                                                                     | 1<br>3<br>5<br>7<br><br>9  | Yukijirushi stock<br>Gifu Renge Marudai, Hokuriku 1<br>Gifu Renge Marugen, Gifu Renge Maruyon |
| * 21. Flowering time               | Day of flowering of 40~50% stems                       | Observation (days and months)                                                                       | very early<br>early<br>medium<br>late<br><br>very late                                                                     | 1<br>3<br>5<br>7<br><br>9  | Yukijirushi stock<br>Gifu Renge Marudai, Hokuriku 1<br>Gifu Renge Marugen, Gifu Renge Maruyon |

| Character                           | Definition                                                                                | Method                                                            | Item                                                 | Code                  | Standard variety                                       |
|-------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------|-----------------------|--------------------------------------------------------|
| 22. Number of flower                | Number of flower cluster per plant at flowering time                                      | Count (Number of flower cluster per plant)                        | very few<br>few<br>medium<br>many<br>very many       | 1<br>3<br>5<br>7<br>9 | Gifu Renge Maruyon<br>Yukijirushi stock<br>Funouzen 24 |
| * 23. Spring or winter habit        | Degree of flowering in spring seeding (method of seeding is described separately)         | Observation (Degree of spring habit)                              | non<br><br><br>ever-flowering                        | 1<br>3<br>5<br>7<br>9 | Yukijirushi stock, and the others                      |
| * 24. Wintering ability             | Viability of over-wintering plant (only in north of Kanto or in high elevation districts) | Observation (% of viable plant except the plant killed by insect) | very weak<br>weak<br>medium<br>strong<br>very strong | 1<br>3<br>5<br>7<br>9 |                                                        |
| * 25. Sclerotium resistance         | Degree of disease resistance                                                              | Observation (all-round grading by degree of damage occurred)      | very weak<br>weak<br>medium<br>strong<br>very strong | 1<br>3<br>5<br>7<br>9 |                                                        |
| * 26. Powdery mildew resistance     | Degree of disease resistance                                                              | Observation (all-round grading by degree of damage occurred)      | very weak<br>weak<br>medium<br>strong<br>very strong | 1<br>3<br>5<br>7<br>9 |                                                        |
| * 27. Resistance for other diseases | Degree of disease resistance                                                              | Observation (all-round grading by degree of damage occurred)      | very weak<br>weak<br>medium<br>strong<br>very strong | 1<br>3<br>5<br>7<br>9 |                                                        |
| 28. Resistance for insects damage   | Degree of insect resistance                                                               | Observation (all-round grading by degree of damage occurred)      | very weak<br>weak<br>medium<br>strong<br>very strong | 1<br>3<br>5<br>7<br>9 |                                                        |

### III. Other characteristics

| Character                   | Definition                                  | Method                                                                               | Item                                                        | Code                  | Standard variety                                        |
|-----------------------------|---------------------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------|---------------------------------------------------------|
| 29. Yield of green forage   | Fresh yield harvested at mid-flowering time | Measurement (kg/a in 2 m <sup>2</sup> or more)                                       | very few<br>few<br>medium<br>many<br>very many              | 1<br>3<br>5<br>7<br>9 | Fukuchishu<br>Yukijirushi stock<br>Iyo Daibansei        |
| * 30. Dry matter percentage | Dry matter percent at mid-flowering time    | Measurement (dry matter % of 500 g fresh forage dried at 70°C)                       | small ( < 12% )<br>medium (13 ~ 17% )<br>large (18 % < )    | 3<br>5<br>7           |                                                         |
| 31. Nectar content          | Secretion quantity of nectar per floret     | Measurement (with micro-pipet, 100 floret of 20 flower cluster, 0.001ml or 0.001 mg) | few ( < 0.3mg )<br>medium (0.4 ~ 0.6mg )<br>many (0.7mg > ) | 3<br>5<br>7           | Gifu Renge Marugen, and the others<br>Yukijirushi stock |

| Character | Definition                        | Method                                          | Item                     | Code        | Standard variety |
|-----------|-----------------------------------|-------------------------------------------------|--------------------------|-------------|------------------|
| 32. Scent | Scent of flower at flowering time | Observation (Scent of flower at flowering time) | weak<br>medium<br>strong | 3<br>5<br>7 |                  |

## CULTIVATION METHOD FOR THE SURVEY OF CHARACTERISTICS

### 1) Standard of cultivation

#### (1) Size of experimental plots and replications

##### a) Plots with spaced plants

Row spacing 80 cm, intrarow spacing 40 cm,  
20 single plants per plot and 2 or more replications.  
Transplanting or thinning after dill seeding.

##### b) Plots with broadcast seeding (in yield survey)

6 m<sup>2</sup> per plot, 2 or more replication.  
Rate of seeding 100 g/a.

#### (2) Rate of fertilizer application

As a rule, N : 0.5 kg/a, P<sub>2</sub>O<sub>5</sub> : 2.0 kg/a, K<sub>2</sub>O : 2.0 kg/a.  
According to soil condition, lime and phosphatic fertilizer are added.

#### (3) Seeding time

From the middle of September to early in October.  
In the survey of ever flowering varieties, seeding 3 or 4 times at one month interval from April to July.

#### (4) Other attention

As a rule, no diseases and insects control after establishment, but before establishment insect control if necessary.

### 2) Method of survey

The character established by standard description of characteristics for investigation and examination are grading by the method described in the standard description.

## 4. 特性検定のための栽培試験方法

### 1) 耕種基準

#### (1) 一区面積および反復

個体植区：畦間 80 cm 株間 40 cm 一区 20 個体、2 反復以上、移植又は  
間引きによる 1 本植

散播区（収量調査時のみ）：一区 6 m<sup>2</sup> 2 反復以上、播種量 100g/a

#### (2) 施肥量

原則として 1 アール当り N 0.5kg、P<sub>2</sub>O<sub>5</sub> 2.0kg、K<sub>2</sub>O 2.0kg とするが、  
土壌条件により石灰、りん酸等の土壌改良資材を適宜施用する。

#### (3) 播種期

9 月中旬～10 月上旬播きを原則とするが、四季咲性の検定には 4 月～  
7 月に 1 ヶ月毎に 3～4 回播く。

#### (4) その他、栽培上の注意

播種後の管理として、定着後は病害虫の防除は行わないことを原則とす  
るが、ヨトウムシ等などの定着に到るまでの害虫については、殺虫剤など  
で適宜防除を行う。

### 2) 調査方法

特性調査審査基準に定める形質について、同審査基準に定める調査方法に  
より、区分又は階級付けによる評価を行う。