

平成7（1995年）3月

ロベリア属

(Lobelia L.)

ロベリア 審査基準

| 重要形質 | 形質       | 定義及び調査方法                                   | 状態・区分 | 標準品種・種               |
|------|----------|--------------------------------------------|-------|----------------------|
| 草型   | 1 草型     | 観察 開花期の株全体の様子<br>図1参照                      | 直立性   | 1 Lobelia x speciosa |
|      |          |                                            | 斜上性   | 2                    |
|      |          |                                            | 叢生性   | 3                    |
|      |          |                                            | ほふく性  | 4                    |
|      |          |                                            | その他   | 9                    |
| 草丈   | 2 草丈     | 観察 通常栽培条件下における開花盛期の、根元から花序先端部までの高さ<br>図2参照 | 極低    | 1                    |
|      |          |                                            | 低     | 3                    |
|      |          |                                            | 中     | 5                    |
|      |          |                                            | 高     | 7                    |
|      |          |                                            | 極高    | 9                    |
| 株幅   | 3 株幅     | 観察 通常栽培条件下における開花盛期の、株の最も広い部分の幅<br>図2参照     | 狭     | 3                    |
|      |          |                                            | 中     | 5                    |
|      |          |                                            | 広     | 7                    |
| 茎    | 4 茎の太さ   | 観察 開花盛期の主茎中間部の太さ                           | 細     | 3                    |
|      |          |                                            | 中     | 5                    |
|      |          |                                            | 太     | 7                    |
|      | 5 茎の色    | 観察 開花盛期の主茎中間部の色                            | 淡緑    | 1                    |
|      |          |                                            | 緑     | 2                    |
|      |          |                                            | 灰緑    | 3                    |
|      |          |                                            | 淡緑紫   | 4                    |
|      |          |                                            | 緑紫    | 5                    |
|      |          |                                            | 灰緑紫   | 6                    |
|      |          |                                            | 紅紫    | 7                    |
|      |          |                                            | 紅褐    | 8                    |
|      |          |                                            | その他   | 9                    |
|      | 6 茎の毛の有無 | 観察 開花盛期の主茎の毛の有無                            | 無     | 1                    |
|      |          |                                            | 有     | 9                    |
|      | 7 茎の毛の多少 | 観察 開花盛期の主茎の毛の多少                            | 少     | 3                    |
|      |          |                                            | 中     | 5                    |
|      |          |                                            | 多     | 7                    |
|      | 8 分枝性    | 観察 開花盛期における主茎下部から長く伸長する側枝の有無               | 無     | 1                    |
|      |          |                                            | 有     | 9                    |
|      | 9 分枝の多少  | 観察 開花盛期における主茎下部から長く伸長する側枝の多少               | 少     | 3                    |
|      |          |                                            | 中     | 5                    |
|      |          |                                            | 多     | 7                    |

| 重要形質 | 形質        | 定義及び調査方法                     | 状態・区分                                                 | 標準品種・種                          |
|------|-----------|------------------------------|-------------------------------------------------------|---------------------------------|
|      | 10 節間長    | 観察 開花盛期の主茎中間部の節間長            | 極短<br>短<br>中<br>長                                     | 1<br>3<br>5<br>7                |
| 葉    | 11 葉序     | 観察 主茎中間部の葉序                  | 互生<br>その他                                             | 1<br>9                          |
|      | 12 葉の向き   | 観察 主茎中間部の葉の向き                | 斜上<br>水平<br>下垂<br>その他                                 | 1<br>2<br>3<br>9                |
|      | 13 葉形     | 観察 開花盛期の主茎中間部の葉全体の形<br>図3参照  | 広線形<br>長橢円形<br>橢円形<br>披針形<br>長橢円状<br>披針形<br>卵形<br>その他 | 1<br>2<br>3<br>4<br>5<br>6<br>9 |
|      | 14 葉の先端の形 | 観察 開花盛期の主茎中間部の葉の先端の形<br>図4参照 | 鋭尖形<br>鋭形<br>鈍形<br>円形<br>その他                          | 1<br>2<br>3<br>4<br>9           |
|      | 15 葉の基部の形 | 観察 開花盛期の主茎中間部の葉の基部の形<br>図5参照 | くさび形<br>鋭形<br>鈍形<br>心臟形<br>円形<br>その他                  | 1<br>2<br>3<br>4<br>5<br>9      |
|      | 16 葉縁鋸齒の形 | 観察 開花盛期の主茎中間部の葉の葉縁の形         | 全縁<br>波状<br>欠刻<br>その他                                 | 1<br>2<br>3<br>9                |
|      | 17 葉長     | 観察 開花盛期の主茎中間部の葉の葉身の長さ        | 短<br>中<br>長                                           | 3<br>5<br>7                     |

| 重要形質     | 形質 | 定義及び調査方法          | 状態・区分 | 標準品種・種 |
|----------|----|-------------------|-------|--------|
| 18 葉幅    | 観察 | 開花盛期の主茎中間部の葉の葉身の幅 | 極狭    | 1      |
|          |    |                   | 狭     | 3      |
|          |    |                   | 中     | 5      |
|          |    |                   | 広     | 7      |
|          |    |                   | 極広    | 9      |
| 19 葉表面の色 | 観察 | 開花盛期の主茎中間部の葉表面の色  | 黄緑    | 1      |
|          |    |                   | 淡緑    | 2      |
|          |    |                   | 緑     | 3      |
|          |    |                   | 濃緑    | 4      |
|          |    |                   | 紅紫    | 5      |
|          |    |                   | 紫褐    | 6      |
| 20 葉裏面の色 | 観察 | 開花盛期の主茎中間部の葉裏面の色  | その他   | 9      |
|          |    |                   | 黄緑    | 1      |
|          |    |                   | 淡緑    | 2      |
|          |    |                   | 緑     | 3      |
|          |    |                   | 濃緑    | 4      |
|          |    |                   | 紅紫    | 5      |
| 21 斑の有無  | 観察 |                   | 紫褐    | 6      |
|          |    |                   | その他   | 9      |
| 22 斑の形   | 観察 | 図6参照              | 無     | 1      |
|          |    |                   | 有     | 9      |
|          |    |                   | 散斑    | 1      |
|          |    |                   | 掃込斑   | 2      |
|          |    |                   | 中斑    | 3      |
|          |    |                   | 覆輪    | 4      |
| 23 斑の色   | 観察 |                   | 爪斑    | 5      |
|          |    |                   | 脈斑    | 6      |
|          |    |                   | その他   | 9      |
|          |    |                   | 白     | 1      |
|          |    |                   | 黄     | 2      |
|          |    |                   | 黄緑    | 3      |
| 24 葉の光沢  | 観察 | 開花盛期の葉表面の光沢の有無    | 緑     | 4      |
|          |    |                   | 紅     | 5      |
|          |    |                   | その他   | 9      |
|          |    |                   | 無     | 1      |
|          |    |                   | 有     | 9      |

| 重要形質 | 形質              | 定義及び調査方法                                                                | 状態・区分                                       | 標準品種・種                     |
|------|-----------------|-------------------------------------------------------------------------|---------------------------------------------|----------------------------|
|      | 25 葉の厚さ         | 観察 開花盛期の葉の厚さ                                                            | 薄<br>中<br>厚<br>極厚                           | 3<br>5<br>7<br>9           |
|      | 26 葉数           | 実測 開花盛期の主茎上の、<br>花序までの葉の多少<br>(叢生・ほふく種で<br>は主な分枝の基部か<br>ら花序までの葉の多<br>少) | 少<br>中<br>多                                 | 3<br>5<br>7                |
|      | 27 葉の硬さ         | 観察 開花盛期の葉の硬さ                                                            | 軟<br>中<br>硬                                 | 3<br>5<br>7                |
|      | 28 葉表面の毛の<br>有無 | 観察 開花盛期の葉表面の<br>毛の有無                                                    | 無<br>有                                      | 1<br>9                     |
|      | 29 葉表面の毛の<br>多少 | 観察 開花盛期の葉表面の<br>毛の多少                                                    | 少<br>中<br>多                                 | 3<br>5<br>7                |
|      | 30 葉裏面の毛        | 観察 開花盛期の葉裏面の<br>毛の有無                                                    | 無<br>有                                      | 1<br>9                     |
|      | 31 葉柄の有無        | 観察                                                                      | 無<br>有                                      | 1<br>9                     |
|      | 32 葉柄の長さ        | 観察                                                                      | 短<br>中<br>長                                 | 3<br>5<br>7                |
| 花序   | 33 花序の形         | 観察 主茎花序全体の形<br>図7参照                                                     | 総状花序<br>円錐花序<br>散房花序<br>穗状花序<br>単生花序<br>その他 | 1<br>2<br>3<br>4<br>5<br>9 |
|      | 34 花の付き方        | 観察 腋生、頂生の別<br>図8参照                                                      | 頂生<br>腋生<br>頂生と腋生                           | 1<br>2<br>3                |

| 重要形質 | 形質         | 定義及び調査方法                            | 状態・区分                    | 標準品種・種                    |
|------|------------|-------------------------------------|--------------------------|---------------------------|
| 花    | 35 花序の長さ   | 実測 開花盛期の主茎または<br>主な分枝の花序の長さ<br>図2参照 | 短<br>中<br>長              | 3<br>5<br>7               |
|      | 36 花序の幅    | 実測 開花盛期の主茎または<br>主な分枝の花序の幅<br>図2参照  | 狭<br>中<br>広              | 3<br>5<br>7               |
|      | 37 花の向き    | 観察 花冠の向き                            | 上向き<br>斜向き<br>横向き<br>下向き | 1<br>2<br>3<br>4          |
|      | 38 花冠全体の形  | 観察 図9参照                             | 二唇形<br>二唇筒状<br>その他       | 1<br>2<br>9               |
|      |            |                                     |                          | L. erinus<br>L. laxiflora |
|      | 39 上唇の長さ   | 実測 開花盛期の上唇の<br>長さ                   | 短<br>中<br>長              | 3<br>5<br>7               |
|      | 40 上唇の幅    | 実測 開花盛期の上唇の<br>幅                    | 狭<br>中<br>広              | 3<br>5<br>7               |
|      | 41 上唇の切れ込み | 観察 開花盛期の上唇の<br>切れ込みの多少<br>図10参照     | 浅<br>中<br>深              | 3<br>5<br>7               |
|      | 42 下唇の長さ   | 実測 開花盛期の下唇の<br>長さ                   | 短<br>中<br>長              | 3<br>5<br>7               |
|      | 43 下唇の幅    | 実測 開花盛期の下唇の<br>幅                    | 狭<br>中<br>広              | 3<br>5<br>7               |
|      | 44 下唇の切れ込み | 観察 開花盛期の下唇の<br>切れ込みの多少<br>図11参照     | 浅<br>中<br>深              | 3<br>5<br>7               |
|      | 45 花筒の長さ   | 実測 開花盛期の花筒の<br>長さ (がくを含む)<br>図12参照  | 短<br>中<br>長              | 3<br>5<br>7               |

| 重要形質              | 形質 | 定義及び調査方法               | 状態・区分  | 標準品種・種 |
|-------------------|----|------------------------|--------|--------|
| 46 花筒の幅           | 実測 | 開花盛期の花筒中間部の外径<br>図12参照 | 狭      | 3      |
|                   |    |                        | 中      | 5      |
|                   |    |                        | 広      | 7      |
| 47 花冠の厚さ          | 観察 |                        | 薄      | 3      |
|                   |    |                        | 中      | 5      |
|                   |    |                        | 厚      | 7      |
| 48 上唇の単色、<br>複色の別 | 観察 |                        | 単色     | 1      |
|                   |    |                        | 複色     | 9      |
| 49 上唇表面の色         | 実測 | 開花盛期の上唇表面の色<br>JHS測定   |        |        |
| 50 上唇の模様          | 観察 |                        | 縞      | 1      |
|                   |    |                        | その他    | 9      |
| 51 上唇の模様の色        | 実測 | JHS測定                  |        |        |
| 52 下唇の単色、<br>複色の別 | 観察 |                        | 単色     | 1      |
|                   |    |                        | 複色     | 9      |
| 53 下唇表面の色         | 実測 | 開花盛期の下唇表面の色<br>JHS測定   |        |        |
| 54 下唇裏面の色         | 実測 | 開花盛期の下唇裏面の色<br>JHS測定   |        |        |
| 55 下唇の模様          | 観察 |                        | 目      | 1      |
|                   |    |                        | 縞      | 2      |
|                   |    |                        | 条      | 3      |
|                   |    |                        | 覆輪状ぼかし | 4      |
|                   |    |                        | 点      | 5      |
|                   |    |                        | その他    | 9      |
| 56 下唇の模様の色        | 実測 | JHS測定                  |        |        |
| 57 花筒の色           | 実測 | JHS測定                  |        |        |
| 58 一重八重の別         | 観察 |                        | 一重     | 1      |
|                   |    |                        | 二重     | 2      |
|                   |    |                        | 八重     | 3      |
|                   |    |                        | その他    | 9      |

| 重要形質 | 形質      | 定義及び調査方法            | 状態・区分                                           | 標準品種・種                               |
|------|---------|---------------------|-------------------------------------------------|--------------------------------------|
| 59   | がくの有無   | 観察                  | 無<br>有                                          | 1<br>9                               |
| 60   | がく筒の形   | 観察 図13参照            | ロート形<br>円柱形<br>鐘形<br>つぼ形<br>その他                 | 1<br>2<br>3<br>4<br>9                |
| 61   | がく筒の長さ  | 観察 花冠の長さに対するがくの長さの比 | 短<br>中<br>長                                     | 3<br>5<br>7                          |
| 62   | がく裂片の長さ | 観察                  | 短<br>中<br>長                                     | 3<br>5<br>7                          |
| 63   | がくの色    | 観察                  | 淡緑<br>緑<br>灰緑<br>淡緑紫<br>緑紫<br>灰緑紫<br>紅褐色<br>その他 | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>9 |
| 64   | やくの色    | 観察                  | 黄<br>その他                                        | 1<br>9                               |
| 65   | 花粉の色    | 観察                  | 黄<br>その他                                        | 1<br>9                               |
| 66   | 雄ずいの数   | 観察                  | 5本<br>その他                                       | 1<br>9                               |
| 67   | 花柄の長さ   | 観察 標準的な花の花柄の長さ      | 極短<br>短<br>中<br>長                               | 1<br>3<br>5<br>7                     |
| 68   | 苞の有無    | 観察 図12参照            | 無<br>有                                          | 1<br>9                               |

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|------|---------------|----------------------------------------|--------------------------------------|---------------------------------|
|      | 69 苞の色        | 観察                                     | 緑<br>淡緑紫<br>緑紫<br>紅<br>紫<br>桃<br>その他 | 1<br>2<br>3<br>4<br>5<br>6<br>9 |
|      | 70 花数         | 観察 立性種は主茎一本当りの蕾を含む総花数（叢生・ほふく種では一株の総花数） | 極少<br>少<br>中<br>多<br>極多              | 1<br>3<br>5<br>7<br>9           |
|      | 71 花の香り       | 観察                                     | 無<br>有                               | 1<br>9                          |
|      | 72 開花時期       | 観察                                     | 極早生<br>早生<br>中生<br>晩生<br>極晩生         | 1<br>3<br>5<br>7<br>9           |
|      | 73 開花期間       | 観察 一株当りの咲き始めから咲き終わりまでの長さ               | 短<br>中<br>長                          | 3<br>5<br>7                     |
|      | 74 四季咲性       | 観察 四季咲性の有無                             | 無<br>有                               | 1<br>9                          |
| 生育特性 | 75 一二年生、多年生の別 | 観察                                     | 一,二年生<br>多年生                         | 1<br>9                          |
| 繁殖法  | 76 繁殖法        | 観察 主な繁殖法                               | 種子系<br>栄養繁殖系<br>その他                  | 1<br>2<br>9                     |
| 耐寒性  | 77 耐寒性        | 観察 冬越しできる最低温度の程度                       | 弱<br>中<br>強                          | 3<br>5<br>7                     |
| 耐暑性  | 78 耐暑性        | 観察 平坦地で栽培した時の夏越しの難易                    | 易<br>中<br>難                          | 3<br>5<br>7                     |

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|-------|----------|---------------|-------------|-------------|
| 耐陰性   | 79 耐陰性   | 観察            | 弱<br>中<br>強 | 3<br>5<br>7 |
| 耐乾性   | 80 耐乾性   | 観察 生育期における耐乾性 | 弱<br>中<br>強 | 3<br>5<br>7 |
| 病害抵抗性 | 81 病害抵抗性 | 観察            | 弱<br>中<br>強 | 3<br>5<br>7 |
| 虫害抵抗性 | 82 虫害抵抗性 | 観察            | 弱<br>中<br>強 | 3<br>5<br>7 |

Characteristics Table of Lobelia for Registration

| Character    | Description                                                                                                    |    | Characteristics          | Code | Standard sp. or cv.       |
|--------------|----------------------------------------------------------------------------------------------------------------|----|--------------------------|------|---------------------------|
| Plant form   | 1 Plant form<br>at flowering time<br>(see Fig. 1)                                                              | ob | upright                  | 1    | <i>Lobelia x speciosa</i> |
|              |                                                                                                                |    | ascending                | 2    |                           |
|              |                                                                                                                |    | bushy                    | 3    |                           |
|              |                                                                                                                |    | creeping                 | 4    |                           |
|              |                                                                                                                |    | others                   | 9    |                           |
| Plant height | 2 Height of a plant<br>(from stem base<br>to the top of<br>inflorescence)<br>at flowering time<br>(see Fig. 2) | ob | very low                 | 1    |                           |
|              |                                                                                                                |    | low                      | 3    |                           |
|              |                                                                                                                |    | medium                   | 5    |                           |
|              |                                                                                                                |    | high                     | 7    |                           |
|              |                                                                                                                |    | very high                | 9    |                           |
| Plant width  | 3 Width of the widest<br>part of a plant<br>at flowering time<br>(see Fig. 2)                                  | ob | narrow                   | 3    |                           |
|              |                                                                                                                |    | medium                   | 5    |                           |
|              |                                                                                                                |    | broad                    | 7    |                           |
| Stem         | 4 Thickness of main<br>stem at flowering<br>time                                                               | ob | thin                     | 3    |                           |
|              |                                                                                                                |    | medium                   | 5    |                           |
|              |                                                                                                                |    | thick                    | 7    |                           |
|              | 5 Color of main stem<br>at flowering time                                                                      | ob | pale-green               | 1    |                           |
|              |                                                                                                                |    | green                    | 2    |                           |
|              |                                                                                                                |    | grey-green               | 3    |                           |
|              |                                                                                                                |    | pale greenish-<br>purple | 4    |                           |
|              |                                                                                                                |    | greenish-<br>purple      | 5    |                           |
|              |                                                                                                                |    | grey greenish-<br>purple | 6    |                           |
|              |                                                                                                                |    | red purple               | 7    |                           |
|              |                                                                                                                |    | red brown                | 8    |                           |
|              |                                                                                                                |    | others                   | 9    |                           |
|              | 6 Presence of stem<br>hairs at flowering<br>time                                                               | ob | absent                   | 1    |                           |
|              |                                                                                                                |    | present                  | 9    |                           |
|              | 7 Amount of stem<br>hairs                                                                                      | ob | thin                     | 3    |                           |
|              |                                                                                                                |    | medium                   | 5    |                           |
|              |                                                                                                                |    | thick                    | 7    |                           |

ob: observation

me: measurement

| Character | Description                                                            |    | Characteristics                                                                          | Code                            | Standard sp. or cv. |
|-----------|------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------|---------------------------------|---------------------|
|           | 8 Presence of branching at main stem base at flowering time            | ob | absent<br>present                                                                        | 1<br>9                          |                     |
|           | 9 Amount of branching at main stem base                                | ob | a few<br>medium<br>many                                                                  | 3<br>5<br>7                     |                     |
|           | 10 Stem internode length of middle part of main stem at flowering time | ob | very short<br>short<br>medium<br>long                                                    | 1<br>3<br>5<br>7                |                     |
| <hr/>     |                                                                        |    |                                                                                          |                                 |                     |
| Leaf      | 11 Phyllotaxis of main stem                                            | ob | alternate<br>others                                                                      | 1<br>9                          |                     |
|           | 12 Leaf orientation of main stem                                       | ob | upright<br>horizontal<br>pendulous<br>others                                             | 1<br>2<br>3<br>9                |                     |
|           | 13 Leaf form of main stem at flowering time (see Fig. 3)               | ob | broad linear<br>oblong<br>elliptic<br>lanceolate<br>lanceolate-oblong<br>ovate<br>others | 1<br>2<br>3<br>4<br>5<br>6<br>9 |                     |
|           | 14 Leaf tip form of main stem (see Fig. 4)                             | ob | acuminate<br>acute<br>obtuse<br>rotundate<br>others                                      | 1<br>2<br>3<br>4<br>9           |                     |
|           | 15 Leaf base form of main stem (see Fig. 5)                            | ob | cuneate<br>acute<br>obtuse<br>cordate<br>rotundate<br>others                             | 1<br>2<br>3<br>4<br>5<br>9      |                     |

| Character | Description                                         |    | Characteristics | Code | Standard sp. or cv. |
|-----------|-----------------------------------------------------|----|-----------------|------|---------------------|
| 16        | Leaf margins of main stem                           | ob | entire          | 1    |                     |
|           |                                                     |    | undulate        | 2    |                     |
|           |                                                     |    | serrate         | 3    |                     |
|           |                                                     |    | others          | 9    |                     |
| 17        | Leaf length of main stem                            | ob | short           | 3    |                     |
|           |                                                     |    | medium          | 5    |                     |
|           |                                                     |    | long            | 7    |                     |
| 18        | Leaf width of main stem                             | ob | very narrow     | 1    |                     |
|           |                                                     |    | narrow          | 3    |                     |
|           |                                                     |    | medium          | 5    |                     |
|           |                                                     |    | broad           | 7    |                     |
|           |                                                     |    | very broad      | 9    |                     |
| 19        | Leaf upperside color of main stem at flowering time | ob | yellow green    | 1    |                     |
|           |                                                     |    | pale green      | 2    |                     |
|           |                                                     |    | green           | 3    |                     |
|           |                                                     |    | deep green      | 4    |                     |
|           |                                                     |    | red purple      | 5    |                     |
|           |                                                     |    | purple brown    | 6    |                     |
|           |                                                     |    | others          | 9    |                     |
| 20        | Leaf underside color of main stem                   | ob | yellow green    | 1    |                     |
|           |                                                     |    | pale green      | 2    |                     |
|           |                                                     |    | green           | 3    |                     |
|           |                                                     |    | deep green      | 4    |                     |
|           |                                                     |    | red purple      | 5    |                     |
|           |                                                     |    | purple brown    | 6    |                     |
|           |                                                     |    | others          | 9    |                     |
| 21        | Presence of leaf variegation                        | ob | absent          | 1    |                     |
|           |                                                     |    | present         | 9    |                     |
| 22        | Variegation pattern (see Fig. 6)                    | ob | mottled         | 1    |                     |
|           |                                                     |    | splashed        | 2    |                     |
|           |                                                     |    | centered        | 3    |                     |
|           |                                                     |    | margined        | 4    |                     |
|           |                                                     |    | tipped          | 5    |                     |
|           |                                                     |    | veined          | 6    |                     |
|           |                                                     |    | others          | 9    |                     |

| Character | Description        | Characteristics | Code         | Standard sp. or cv. |
|-----------|--------------------|-----------------|--------------|---------------------|
| 23        | Variegation color  | ob              | white        | 1                   |
|           |                    |                 | yellow       | 2                   |
|           |                    |                 | yellow green | 3                   |
|           |                    |                 | green        | 4                   |
|           |                    |                 | red          | 5                   |
|           |                    |                 | others       | 9                   |
| 24        | Leaf surface gloss | ob              | absent       | 1                   |
|           | at flowering time  |                 | present      | 9                   |
| 25        | Leaf thickness     | ob              | thin         | 3                   |
|           | at flowering time  |                 | medium       | 5                   |
|           |                    |                 | thick        | 7                   |
|           |                    |                 | very thick   | 9                   |
| 26        | Number of leaves   | me              | a few        | 3                   |
|           | per main stem      |                 | medium       | 5                   |
|           | up to              |                 | many         | 7                   |
|           | the inflorescence  |                 |              |                     |
|           | at flowering time  |                 |              |                     |
| 27        | Leaf hardness      | ob              | soft         | 3                   |
|           | at flowering time  |                 | medium       | 5                   |
|           |                    |                 | hard         | 7                   |
| 28        | Presence of hairs  | ob              | absent       | 1                   |
|           | on the leaf        |                 | present      | 9                   |
|           | upperside          |                 |              |                     |
| 29        | Amount of hairs    | ob              | thin         | 3                   |
|           | on leaf upperside  |                 | medium       | 5                   |
|           |                    |                 | thick        | 7                   |
| 30        | Presence of hairs  | ob              | absent       | 1                   |
|           | on the leaf        |                 | present      | 9                   |
|           | underside          |                 |              |                     |
| 31        | Presence of        | ob              | absent       | 1                   |
|           | petiole            |                 | present      | 9                   |
| 32        | Petiole length     | ob              | short        | 3                   |
|           |                    |                 | medium       | 5                   |
|           |                    |                 | long         | 7                   |

| Character | Description                                                                  |    | Characteristics       | Code | Standard sp. or cv. |
|-----------|------------------------------------------------------------------------------|----|-----------------------|------|---------------------|
| Flower    | 33 Inflorescence<br>types of main stem<br>(see Fig. 7)                       | ob | raceme                | 1    |                     |
|           |                                                                              |    | panicle               | 2    |                     |
|           |                                                                              |    | corymb                | 3    |                     |
|           |                                                                              |    | spike                 | 4    |                     |
|           |                                                                              |    | single flower         |      |                     |
|           |                                                                              |    | per stem              | 5    |                     |
|           |                                                                              |    | others                | 9    |                     |
|           | 34 Flower position<br>(see Fig. 8)                                           | ob | terminal              | 1    |                     |
|           |                                                                              |    | lateral               | 2    |                     |
|           |                                                                              |    | terminal &<br>lateral | 3    |                     |
|           | 35 Inflorescence<br>length of main<br>stem or main<br>branch<br>(see Fig. 2) | me | short                 | 3    |                     |
|           |                                                                              |    | medium                | 5    |                     |
|           |                                                                              |    | long                  | 7    |                     |
|           | 36 Inflorescence<br>width<br>(see Fig. 2)                                    | me | narrow                | 3    |                     |
|           |                                                                              |    | medium                | 5    |                     |
|           |                                                                              |    | broad                 | 7    |                     |
|           | 37 Flower orientation                                                        | ob | upright               | 1    |                     |
|           |                                                                              |    | slant                 | 2    |                     |
|           |                                                                              |    | horizontal            | 3    |                     |
|           |                                                                              |    | pendulous             | 4    |                     |
|           | 38 Corolla form<br>(see Fig. 9)                                              | ob | bilabiate             | 1    | L. erinus           |
|           |                                                                              |    | bilabiate             |      |                     |
|           |                                                                              |    | tube                  | 2    | L. laxiflora        |
|           |                                                                              |    | others                | 9    |                     |
|           | 39 Upper lobe length                                                         | me | short                 | 3    |                     |
|           |                                                                              |    | medium                | 5    |                     |
|           |                                                                              |    | long                  | 7    |                     |
|           | 40 Upper lobe width                                                          | me | narrow                | 3    |                     |
|           |                                                                              |    | medium                | 5    |                     |
|           |                                                                              |    | broad                 | 7    |                     |
|           | 41 Lobing of upper<br>lobe<br>(see Fig. 10)                                  | ob | shallow               | 3    |                     |
|           |                                                                              |    | medium                | 5    |                     |
|           |                                                                              |    | deep                  | 7    |                     |

| Character | Description                                                                                              | Chracteristics                   | Code        | Standard sp. or cv. |
|-----------|----------------------------------------------------------------------------------------------------------|----------------------------------|-------------|---------------------|
| 42        | Lower lobe length                                                                                        | me short<br>medium<br>long       | 3<br>5<br>7 |                     |
| 43        | Lower lobe width                                                                                         | me narrow<br>medium<br>broad     | 3<br>5<br>7 | 3                   |
| 44        | Lobing of lower lobe<br>(see Fig. 11)                                                                    | ob shallow<br>medium<br>deep     | 3<br>5<br>7 |                     |
| 45        | Corolla tube length<br>(see Fig. 12)                                                                     | me short<br>medium<br>long       | 3<br>5<br>7 |                     |
| 46        | Corolla tube width<br>(see Fig. 12)                                                                      | me narrow<br>medium<br>broad     | 3<br>5<br>7 |                     |
| 47        | Corolla thickness                                                                                        | ob thin<br>medium<br>thick       | 3<br>5<br>7 |                     |
| 48        | Upper lobe color, mono- or multi-colored                                                                 | ob mono-colored<br>multi-colored | 1<br>9      |                     |
| 49        | Upperside color of upper lobe<br>Measured by JHS<br>(The Japan Colour Standard for Horticultural Plants) | me                               |             |                     |
| 50        | Color pattern of upper lobe                                                                              | ob stripe<br>others              | 1<br>9      |                     |
| 51        | Color of upper lobe color pattern<br>Measured by JHS                                                     | me                               |             |                     |
| 52        | Lower lobe color, mono- or multi-colored                                                                 | ob mono-colored<br>multi-colored | 1<br>9      |                     |

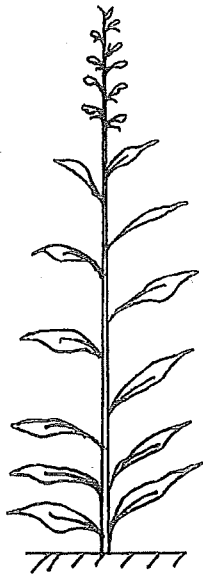
| Character | Description                                      | Characteristics | Code                                                                              | Standard sp. or cv.        |
|-----------|--------------------------------------------------|-----------------|-----------------------------------------------------------------------------------|----------------------------|
| 53        | Upperside color of lower lobe<br>Measured by JHS | me              |                                                                                   |                            |
| 54        | Underside color of lower lobe<br>Measured by JHS | me              |                                                                                   |                            |
| 55        | Variegation pattern of lower lobe                | ob              | eyed<br>striped<br>narrow obtriangular<br>marginal gradated<br>markings<br>others | 1<br>2<br>3<br>4<br>5<br>9 |
| 56        | Color of lower lobe pattern<br>Measured by JHS   | me              |                                                                                   |                            |
| 57        | Color of corolla tube<br>Measured by JHS         | me              |                                                                                   |                            |
| 58        | Single-, or double-flowered                      | ob              | single<br>medium<br>(2-layered)<br>double<br>others                               | 1<br>2<br>3<br>9           |
| 59        | Presence of calyx                                | ob              | absent<br>present                                                                 | 1<br>9                     |
| 60        | Shape of calyx tube<br>(see Fig. 13)             | ob              | funnel-shaped<br>cylindrical<br>campanulate<br>urceolate<br>others                | 1<br>2<br>3<br>4<br>9      |
| 61        | Calyx tube length                                | ob              | short<br>medium<br>long                                                           | 3<br>5<br>7                |
| 62        | Calyx lobe length                                | ob              | short<br>medium<br>long                                                           | 3<br>5<br>7                |

| Character | Description                        | Characteristics | Code           | Standard sp. or cv. |   |
|-----------|------------------------------------|-----------------|----------------|---------------------|---|
| 63        | Calyx color                        | ob              | pale-green     | 1                   | 2 |
|           |                                    |                 | green          | 2                   |   |
|           |                                    |                 | grey-green     | 3                   |   |
|           |                                    |                 | pale greenish- |                     |   |
|           |                                    |                 | purple         | 4                   |   |
|           |                                    |                 | greenish-      |                     |   |
|           |                                    |                 | purple         | 5                   |   |
|           |                                    |                 | grey greenish- |                     |   |
|           |                                    |                 | purple         | 6                   |   |
|           | red brown                          | 7               |                |                     |   |
|           | others                             | 9               |                |                     |   |
| 64        | Anther color                       | ob              | yellow         | 1                   |   |
|           |                                    |                 | others         | 9                   |   |
| 65        | Pollen color                       | ob              | yellow         | 1                   |   |
|           |                                    |                 | others         | 9                   |   |
| 66        | Number of stamens                  | ob              | 5              | 1                   |   |
|           |                                    |                 | others         | 9                   |   |
| 67        | Peduncle length                    | ob              | very short     | 1                   |   |
|           |                                    |                 | short          | 3                   |   |
|           |                                    |                 | medium         | 5                   |   |
|           |                                    |                 | long           | 7                   |   |
| 68        | Presence of bract<br>(see Fig. 12) | ob              | absent         | 1                   |   |
|           |                                    |                 | present        | 9                   |   |
| 69        | Bract color                        | ob              | green          | 1                   |   |
|           |                                    |                 | pale greenish- |                     |   |
|           |                                    |                 | purple         | 2                   |   |
|           |                                    |                 | greenish-      |                     |   |
|           |                                    |                 | purple         | 3                   |   |
|           |                                    |                 | red            | 4                   |   |
|           |                                    |                 | purple         | 5                   |   |
|           |                                    |                 | pink           | 6                   |   |
|           | others                             | 9               |                |                     |   |
| 70        | Number of flowers                  | ob              | very few       | 1                   |   |
|           |                                    |                 | a few          | 3                   |   |
|           |                                    |                 | medium         | 5                   |   |
|           |                                    |                 | many           | 7                   |   |
|           |                                    |                 | very many      | 9                   |   |

| Character    | Description                                          |    | Characteristics                   | Code | Standard sp. or cv. |
|--------------|------------------------------------------------------|----|-----------------------------------|------|---------------------|
|              | 71 Flower fragrance                                  | ob | absent                            | 1    |                     |
|              |                                                      |    | present                           | 9    |                     |
|              | 72 Flowering time                                    | ob | very early                        | 1    |                     |
|              |                                                      |    | early                             | 3    |                     |
|              |                                                      |    | medium                            | 5    |                     |
|              |                                                      |    | late                              | 7    |                     |
|              |                                                      |    | very late                         | 9    |                     |
|              | 73 Flowering period<br>per plant                     | ob | short                             | 3    |                     |
|              |                                                      |    | medium                            | 5    |                     |
|              |                                                      |    | long                              | 7    |                     |
|              | 74 Presence of<br>ever-blooming<br>character         | ob | absent                            | 1    |                     |
|              |                                                      |    | present                           | 9    |                     |
| <hr/>        |                                                      |    |                                   |      |                     |
| Growth habit | 75 Annual, biennial<br>or perennial                  | ob | annual,                           |      |                     |
|              |                                                      |    | biennial                          | 1    |                     |
|              |                                                      |    | perennial                         | 9    |                     |
| <hr/>        |                                                      |    |                                   |      |                     |
| Propagation  | 76 Main propagation<br>method                        | ob | seed                              | 1    |                     |
|              |                                                      |    | vegetative (division,<br>cutting) | 2    |                     |
|              |                                                      |    | others                            | 9    |                     |
| <hr/>        |                                                      |    |                                   |      |                     |
| Habit        | 77 Cold hardiness                                    | ob | weak                              | 3    |                     |
|              |                                                      |    | medium                            | 5    |                     |
|              |                                                      |    | strong                            | 7    |                     |
|              | 78 Heat resistance<br>when grown in warm<br>low land | ob | weak                              | 3    |                     |
|              |                                                      |    | medium                            | 5    |                     |
|              |                                                      |    | strong                            | 7    |                     |
|              | 79 Shade tolerance                                   | ob | weak                              | 3    |                     |
|              |                                                      |    | medium                            | 5    |                     |
|              |                                                      |    | strong                            | 7    |                     |
|              | 80 Resistance to<br>dryness                          | ob | weak                              | 3    |                     |
|              |                                                      |    | medium                            | 5    |                     |
|              |                                                      |    | strong                            | 7    |                     |
|              | 81 Disease resistance                                | ob | weak                              | 3    |                     |
|              |                                                      |    | medium                            | 5    |                     |
|              |                                                      |    | strong                            | 7    |                     |

| Character | Description          | Characteristics | Code   | Standard sp. or cv. |
|-----------|----------------------|-----------------|--------|---------------------|
|           | 82 Insect resistance | cb              | weak   | 3                   |
|           |                      |                 | medium | 5                   |
|           |                      |                 | strong | 7                   |

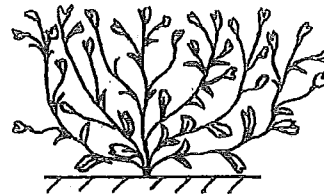
種苗特性審査基準参考図



1. 直立性  
upright



2. 斜上性  
ascending



3. 叢生性  
bushy



4. ほふく性  
creeping

図1 草型  
Fig.1 Plant form

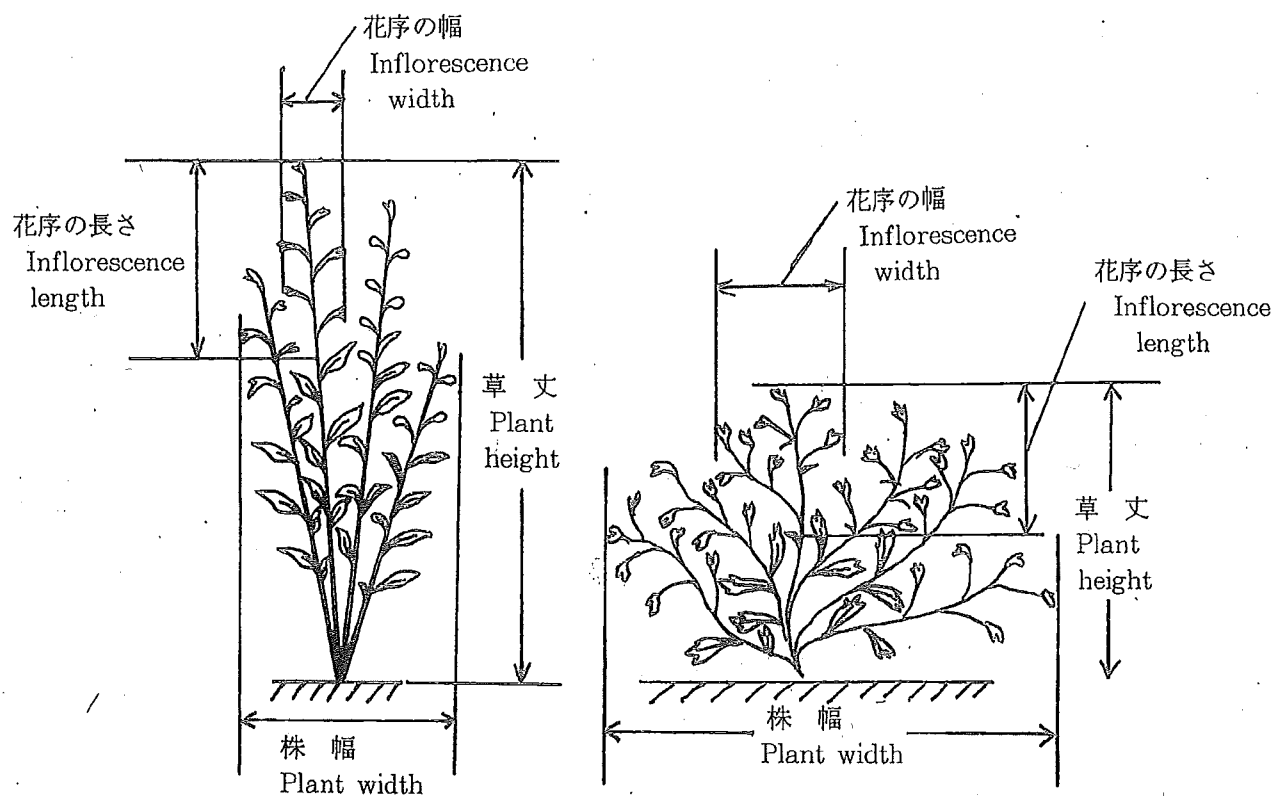


図 2  
Fig.2

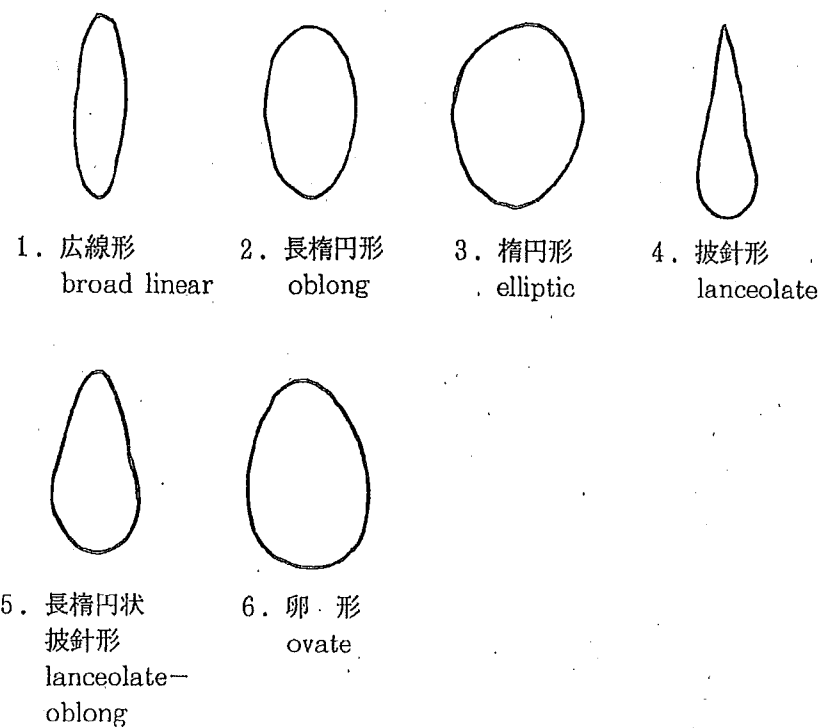


図 3 葉 形  
Fig.3 Leaf form

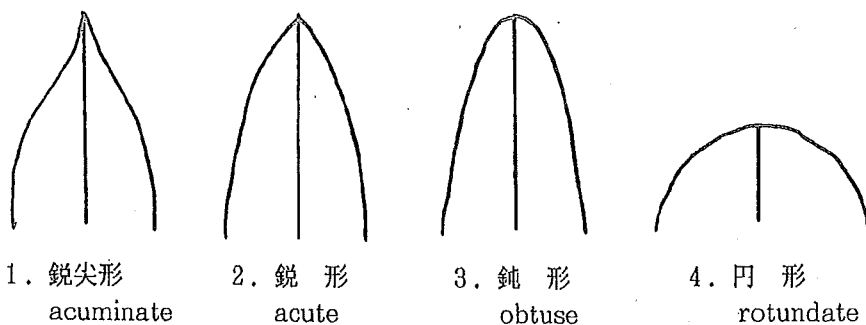


図4 葉の先端の形  
Fig.4 Leaf tip form

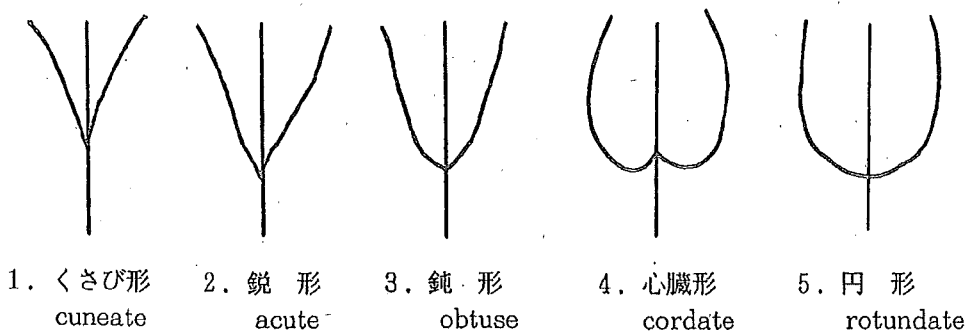


図5 葉の基部の形  
Fig.5 Leaf base form

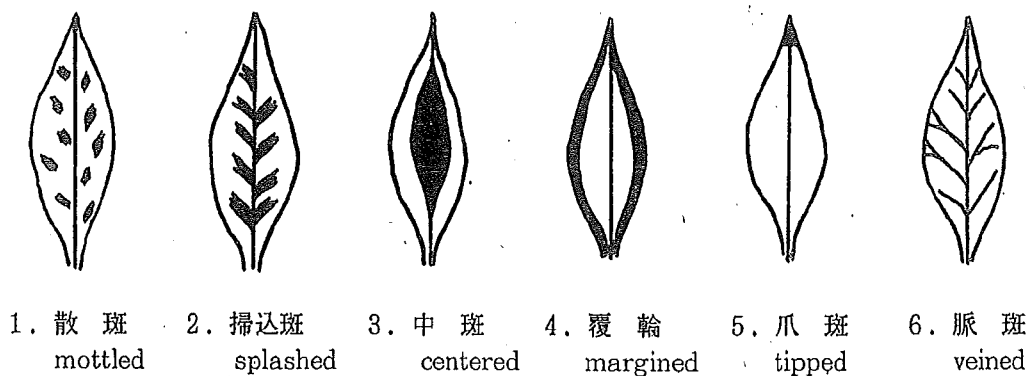


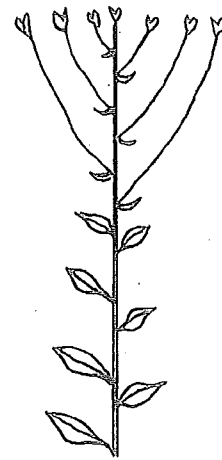
図6 斑の形  
Fig.6 Variegation pattern



1. 総状花序  
raceme



2. 円錐花序  
panicle



3. 散房花序  
corymb



4. 穗状花序  
spike



5. 単生花序  
single flower  
per stem

図7 花序の形  
Fig.7 Inflorescence types



1. 頂生  
terminal

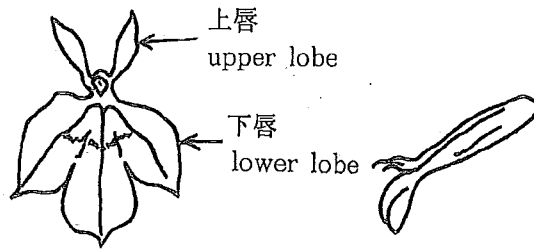


2. 腋生  
lateral



3. 頂生と腋生  
terminal &  
lateral

図8 花の付き方  
Fig.8 Flower position



1. 二唇形  
bilabiate



2. 二唇筒状  
bilabiate tube

図9 花冠全体の形  
Fig.9 Corolla form



3. 浅  
shallow



5. 中  
medium



7. 深  
deep

図10 上唇の切れ込み  
Fig.10 Lobing of upper lobe

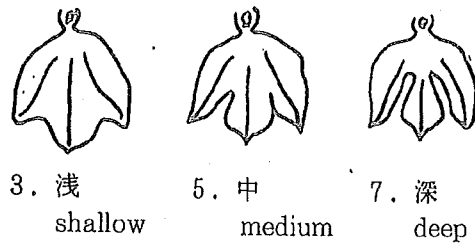


図11 下唇の切れ込み  
Fig.11 Lobing of lower lobe

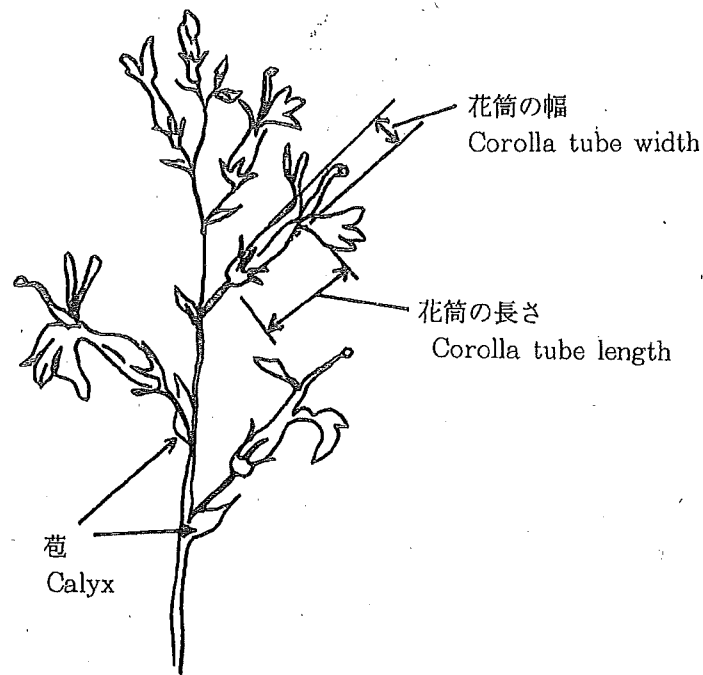


図12  
Fig.12

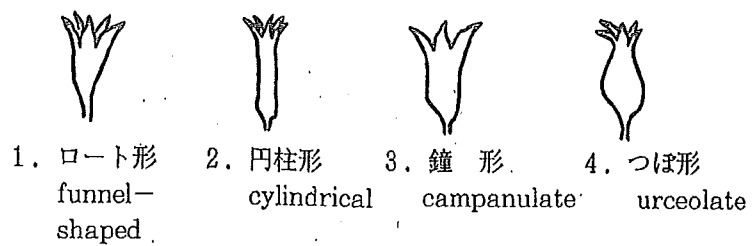


図13 かく筒の形  
Fig.13 Shape of calyx tube